

Cinergy Services, Inc. 139 East Fourth Street, Rm 25 AT 11 P.O. Box 960 Cincinnati, OH 45201-0960 tel 513.287.3842 fax 513.287,2996 aschafer@cinergy.com

Anita M. Schafer Paralegal

## RECEIVED

VIA OVERNIGHT MAIL

December 19, 2003

PUBLIC SERVICE. COMMISSION

DEC 2 3 2003

Thomas Dorman Executive Director, Kentucky Public Service Commission 211 Sower Boulevard P.O. Box 615 Frankfort, Kentucky 40602-0615

Case No. 2003-00103 Re:

ULH&P Fourth Quarter 2003 Update Filing

RECEIVED

DEC 2 3 2003



Dear Mr. Dorman:

Enclosed please find an original and 10 copies of ULH&P's Notice of Filing of Fourth Ouarter 2003 Update of Rider AMRP Report. Please file-stamp and return the three extra copies to me in the overnight envelope provided.

Also enclosed are an original and three sets of the Union Light, Heat and Power Company's Fourth Quarter 2003 filing.

Sincerely,

Anita M. Schafer

Anita M. Schafer

Paralegal

AMS/mak

**Enclosures** 

Elizabeth Blackford, Esq. cc:

## COMMONWEALTH OF KENTUCKY

## BEFORE THE PUBLIC SERVICE COMMISSION





In the Matter of:

AN ADJUSTMENT OF RIDER AMRP OF THE UNION LIGHT, HEAT AND POWER COMPANY	) ) )	CASE NO. 2003-103
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Pursuant to the Commission's Order dated January 31, 2002 in *In the Matter of An Adjustment of the Gas Rates of the Union Light, Heat and Power Company*, Case No. 2001-092, The Union Light, Heat and Power Company (ULH&P) respectfully states as follows:

- 1. In Appendix G of the above-referenced Order, the Commission established certain reporting requirements for the Company's Rider AMRP.
- 2. ULH&P hereby gives notice of filing of the Fourth Quarter 2003 Update of Rider AMRP Report, as required by the Order. The filing is submitted herewith and provides updated information on Appendix G, items 1 through 6.

WHEREFORE, The Union Light, Heat and Power Company respectfully submits the updated Rider AMRP information contained herein.

Respectfully submitted,

THE UNION LIGHT, HEAT AND POWER COMPANY

John J. Finnigan, Jr.

Senior Counsel

Regulated Businesses

P. O. Box 960

139 East Fourth Street, Room 25 ATII

Cincinnati, Ohio 45201-0960

Phone: (513) 287-3601

### **CERTIFICATE OF SERVICE**

This is to certify that a copy of the foregoing pleading has been served by mailing a copy by overnight mail, postage prepaid, or via hand delivery to the following parties on this 22<sup>nd</sup> day of December, 2003.

Hon. Elizabeth E. Blackford Hon. David E. Spenard Office of Attorney General Utility Intervention and Rate Division 1024 Capital Center Drive Frankfort, Kentucky 40601

John J. Finnigan, Jr.

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION
In the Matter of an Adjustment of ) Rider AMRP of the Union Light, Heat ) Case No. 2003-00103 and Power Company )
FOURTH QUARTER 2003 UPDATE FILING

## ULH&P Case No. 2003-00103 Order Dated 1/31/02 (Case No. 2001-092) Table of Contents Fourth Quarter 2003 Filing

### Description Tab List of the names and address of the contractors utilized for AMRP projects. 1 2 A copy of the bid document signed with each contractor, showing a description and scope of the work, construction specifications, and construction management. Confidential information is submitted separately. Construction schedule for each job. 3 Reasonable size maps for each location - see listing of AMRP Projects to date 4 and accompanying 11" x 17" maps for each location and module and full-size maps of work areas. 5 A 3-month progress report showing the manner of replacing the pipes, progress and percentage of job finished, pressure testing, and accompanying pictures on CD-ROM. Copies of updated welding certification for each welder kept on site for inspection 6

by the Commission's investigator.

## **Contractor Information**

## Contractor, Phone List

Company Name	Names		Cell &/or Nextel #	24/7#	Office	Fax	Address	City	State	Zip
Arris Construction	Σ	STEPHENSON	276-0327 / 45825*1	Primary- Kim Stephenson	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Ame Constandino	CK.	-	SKI	Secondary- John Weber	794-4433	794-4435	8917 Blue Ash Rd.	Cincinnati	Ohio	45244
Ams Construction (SKJ) JOHN	NHO!	3ER	276-0328 / 45825*2 / HM. 513. Third- Dale Franklin 734-2626	Third- Dale Franklin	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Ams Construction	BRAD	MAYBURY	276-0342 / 45825*16	Fourth- Brad Maybury	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Ams Construction	DALE	FRANKLIN	276-0329 / 45825*3 / HM. 937 795-0014		794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Ams Construction	8	SENDELBACH	276-0351 / 45825*25		794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Arby Const.	MIKE	KLUMB	630-816-5275/111*37834	513-464-3417 41617-3	513-422-3750	513-422-5069	19705 West Lincoln Ave.	Middletown Ohio	Ohio	45044
Arby Const.	LENTZ	JASON	414-406-4987		262-549-1919 ext 139					
Arby Const.	WICKMAN	JOHN (foreman)	513-464-3417 / 41617*1	513-464-3417 41617*1	513-422-3750	513-422-5069		Middletown Ohio	Ohio	45044
Arby Const.	SCHUELLER	SCHUELLER PAUL (superv)	513-464-3832 / 41617"2	513-464-3417 41617*2	513-422-3750	513-422-5069	19705 West Lincoln Ave.	Middletown Ohio	Ohio	45044
Brewer Company	CARL	BERGEN	1-646-3833	513-314-6188	576-6300	513-576-1414	513-576-1414 1354 US highway 50	Milford	Ohio	45150
Brewer Company	SAL	DILLILO	513-218-1293							
Brewer Company	RICK	PARKER	513-314-6188	513-314-6188		513-576-1414	513-576-1414 1354 US highway 50	Milford	Ohio	45150
Brewer Company	KEN	PARKER	1-490-9070	937-446-1911	937-446-1911	513-576-1414	513-576-1414 1354 US highway 50	Milford	Ohio	45150
Brewer Company	KEVIN	PARKER	513-317-6490			513-576-1414	513-576-1414 1354 US highway 50	Milford	o Pio	45150
Brewer Company	808	SIMS	513-646-3876							45046
Byrnes-Conway	808	SANDERS	617-2110 / 35066*6		948-8882	513-948-0161	513-948-0161   21 Byrneslake ct.	Cincinnati	Ohio	1605
Byrnes-Conway	SCOTT	МООДУ	623-4258							97037
Byrnes-Conway	MARTY	SWEENEY	513-383-7782 / 35066*11	513-383-7782		513-948-0161	21 Byrneslake ct.	Cincinnati	Ohio	1605
Byrnes-Conway	LEO	SHERMAN	617-2117 / 35066*12	513-860-5001		513-948-0161	21 Byrneslake ct.	Cincinnati	Ohio	45216- 1605
Byrnes-Conway	RICK	WARD	383-2351 / 35066*18			513-948-0161	21 Byrneslake ct.	Cincinnati	Ohio	45216- 1605
Byrnes-Conway	WILLIE	MOSLEY	617-2112 / 35066*10			513-948-0161			į	
JTo Construction	Stenger		623-1937							
** Sub for Byrnes	ı	YATES	513-517-3259							

## Contract.. Phone List

Company Name	Names		Cell &/or Nextel #	24/7 #	Office	Fax	Address	City	State	4
CJ Hughes	Danny	Skeens	513-623-9729 / 100*13206							
CJ Hughes	Terry	Skeens	513-623-9731 / 100-13323		ļ					
CJ Hughes	EiC	Wilson	513-623-9743 / 100*26663							,
CJ Hughes	DAVID	HUGHES	513-623-9741 / 100*10513	513-477-3967	1-304-633-7412 / 304-522-2729 PO Box 7305 513-623-9741	304-522-2729	PO Box 7305	Huntington		25776
CJ Hughes	MIL	HUGHES		513-477-3967	1-304-634-3950	304-522-2729 PO Box 7305	PO Box 7305	Huntington		25776
CJ Hughes	TRACY		614-554-8468	513-477-3967		304-522-2729 PO Box 7305	PO Box 7305	Huntington	West Virginia	25776
CJ Hughes	FRED	NICHOLSON	513-477-3967 / 237*13213	513-477-3967	1	513-469-8989	PO 8ox 7305	Huntington Virgin	West Virginia	25776
CJ Hughes	MATERIAL	MATERIAL		513-477-3967	272-1732	304-522-2729	4169 B Round Bottom rd.	Cincinnati	Ohia	45244
CJ Hughes	OFFICE	OFFICE		513-477-3967	1-304-522- 3868	304-522-2729	PO Box 7305	Huntington	West Virginia	25776
CJ Hughes	OFFICE	OFFICE		513-477-3967	1-304-522-3868	304-522-2729 PO Box 7305	PO Box 7305	Huntington	West Virginia	25776
Great Western	SEBESTA	DAN		610-972-7072	610-404-7850	610-404-7571	644 West Baumstown Birdsburo Rd.	<b>t</b> 1	Pennsylvan 19508	19508
Great Western	KEITH	Drozda	513-200-6190 136*44*31860 513-200-6190	513-200-6190 136*44*31860						
Great Western	Rick	RIZARDI	513-200-6190 136*44*31860	136*44*31860 513-200-6190	513-353-2031	513-353-2036	5704 State rt 129 Local Address	Cleves	Ohio	45002
Great Western	Bryan	Gloe	513-383-9053 136*44*31861							
Great Western	Nick		513-383-6184 136*44*32005	2						
Henkels & McCoy	MAXWELL	MARK	614-296-5632	513-200-0406	740-927-1737	Patasqua, OH			-	
Henkels & McCoy	KRAINJEC	MIKE	267-738-9853	215-283-7924	630-627-0716 x232	215-283-7939	985 Jolly Rd.	Bine Bell	Pennsylvan 19422 ia	19422
Henkels & McCoy	Faille	Dean	815-482-5463	513-200-0406	630-627-0716	630-240-5843 Addison	Addison			
Henkels & McCoy	Meredith	Jeff	614-309-1244	513-200-0406	419-589-9596	419-589-6688	Mansfield			Ì
Henkels & McCoy	Kirkbride	Darin	614-296-5622	513-200-0406		740-927-9632	Cincinnati			
Henkels & McCoy	Postalwait	Randy	614-579-1618	513-200-0406			Cincinnati	ļ		
Henkels & McCoy	PATASKALA			513-200-0406	800-548-9240	740-927-9632 Pataskala	Pataskala			
Henkels & McCoy	ADDISON			513-200-0406	630-627-0716	630-240-5843 Addison	Addison			
Henkels & McCoy	Eversole	Rod	614-563-4482/136*35041*3	513-200-0406	740-927-1737	740-927-9632 Pataskala	Pataskala			
Henkels & McCov	Mills	Ein	630-248-7117/136*35041*4	513-200-0406	630-627-0716	630-240-5843 Addison	Addison			
Henkels & McCov	Maxwell	Mark	614-296-5632	513-200-0406	740-927-1737	740-927-9632 Pataskala	Pataskaia			
Henkels & McCoy	Shiverdecker	Temy	614-579-9050	513-200-0406	740-927-1737	740-927-9632 Pataskala	Pataskala			
Henkels & McCoy	Clem	Bob	614-296-5290	513-200-0406	740-927-1737	740-927-9632	Pataskala			
Henkels & McCoy	ELKHART			513-200-0406	800-345-7820	219-264-1137	Mansfield			
Henkels & McCoy	Pataskala	Reg. Manager	Clem, Bob	513-200-0406	614-296-5290	740-927-1737	740-927-9632	937-592-5268	88	
Henkels & McCov		Division Office	ELKHART	513-200-0406		800-345-7820	800-345-7820 219-264-1137			

## Contractor Phone List

						1	4	ž	State	Zio
Company Name	Names		Cell &/or Nextel #	24// #	Office	rax		200		
Infrasource	STEVE	PARNICKY			734-417-4807	734-434-2001	734-434-2001 4033 E. Morgan Rd.	Upsilanti	Michigan	48197
Infrasource	NATE	O'NEAL			734-546-8503	734-434-2001	4033 E. Morgan Rd.	Upsilanti	Michigan	48197
Infrasource	LOR	LOR(			440-967-7211	734-434-2001	734-434-2001 4033 E, Morgan Rd.	Upsilanti	Michigan	48197
Infrasource	RUSS	DOERSCH		1-734-434-2000	1-734-417-4800	734-434-2001	4033 E. Morgan Rd.	Upsilanti	Michigan	48197
Infrasource	KIRK	STANLEY		734-417-4822	734-434-2000	734-434-2001	4033 E. Morgan Rd.	Upsilanti	Michigan	48197
Michels Const	JEFF	HALL	1-717-319-4057	513-531-5999	513-531-5999	513-531-6071	2290 Seymore 513-531-6071 Ave.45212 (1 blk. e/o Cincinnali Cinti Gardens)	L li	Ohio	45212
Midwest	Bill	Moore	1-336-601-8897	513-367-4567	44965*6	513-367-5207 6040 Kilby Rd	6040 Kilby Rd	Harrison	Ohio	45030
Miller Pipeline	SCOTT	MILLER	614-496-5228 / 237*1035	513-679-2362	614-777-8377	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miller Pipeline	STEVE	FERRELL	1-614-270-6048 / 513-200- 4775 / 237*1	513-679-2362	1-614-777-8377	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miler Pipeline	JACK	SPURIER	200-5145 / 237*13215		1-614-270-6048 / 513-200-4775 / 679-2362	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miller Pipeline	PORK		237*341 / 513-616-0075							
Miller Pipeline	ову	TISDALE	614-348-1193 / 237"13214		513-616-4797	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miller Pipeline	OFFICE	OFFICE	679-2362		614-348-1198	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miller Pipeline	Dyson	Becky (invoices)			1-317-293-0278 (ext. 197)					
Miller Pipeline	KEVIN	MILLER	1-317-439-2167		1-800-428-3742					
Sub Surface	Craig	Hole	616-862-8650		1-614-777- 8377					
חרכ	OFFICE	OFFICE	943-3999	513-943-7999	616-784-1313 ext. 513-943-1000 108	513-943-1000	1118 Ferris Road, Suite *A	Amelia,	Ohio	45102

Attached is a list of the Blanket contracts that are reserved for contractors that are performing gas distribution work. Blanket contracts are used for non-Module jobs such as CIMOS, BSMOS, street improvements and road resurfacing. CIMOS and BSMOS jobs are specific projects that are completed because of the leak history associated with a segment of cast iron or bare steel. In addition, Blanket contracts are used to replace cast iron and bare steel as a result of a street improvement or road resurfacing projects. These cast iron and bare steel replacements are included in the AMRP. The Terms and Conditions are issued with the Blanket Contract (attached is an example of the Terms and Conditions). The signed bid is considered the contract. A limited number of these jobs are completed on a time and material basis to meet the needs of the community. These cast iron and bare steel mains are replaced because we are continually monitoring our system for those segments that are in need of replacement.

A sample copy of a bid and daily worksheets were submitted with the first quarter 2002 filing.

Some jobs are completed in the field by company crews and are managed by the appropriate district. Time sheets are approved by the field supervisor as well as the final paper work.

Dong J. Helbelen

## **Blanket Contracts**

## **Blanket Contracts**

	Contract	BLANKET	BLANKET	BLANKET	BLANKET	BLANKET	BLANKET	BLANKET	BLANKET	BLANKET	BLANKET	BLANKET	BLANKET	BLANKET
Ľ	3	ᇳ	ᇳ	ᇳ	В	ᡖ	평	<u> </u>	<u>B</u>	<u> </u>	8	<u> </u>	<u>B</u>	
Contract	Price	XTN	XTN	XTX	XIX	XL	XTN	X	XLX	XLV	XTX	XLX	XLV	XLX
	Insurance Date	12/1/04	4/1/04	6/14/04	8/1/04	1/1/03	1/1/04	4/1/04	10/1/04	2/1/04	11/1/04	3/1/04	10/1/04	8/1/05
Approved	Contract Amount (2)	\$ 10,700,000	\$ 7,028,338	\$ 9,800,000	\$ 2,250,000	\$ 750,000	\$ 1,500,000	\$ 3,250,000	\$ 1,900,000	\$ 1,200,000	\$ 250,000	\$ 650,000	\$ 250,000	\$ 250,000
Contract	Invoiced Amount (1)	10,524,428	6,595,245	9,687,376	2,056,563	374,168	1,260,909	3,019,951	1,738,086	927,910	163,313	\$464,211.35	\$140,042.35	•
Ĺ	- 4	\$	€	€9	€9	69	↔	49	↔	s	•>			\$
	End Date	1/1/2004	1/1/2004	1/1/2004	1/1/2004	1/1/2004	1/1/2004	1/1/2004	1/1/2004	1/1/2004	6/12/2003 12/31/2003	9/4/2003 12/31/2003	9/15/2003 12/31/2003	9/15/2003 12/31/2003
Contract	Execution Date	12/2/1999	12/22/1999	1/4/2000	12/13/2001	12/26/2001	12/26/2001	12/26/2001	12/1/2000	12/19/2002	6/12/2003	9/4/2003	9/15/2003	9/15/2003
Contract	Status Date	6/23/2003	6/23/2003	6/23/2003	6/23/2003	6/23/2003	6/23/2003	6/23/2003	6/23/2003	6/23/2003	6/23/2003	9/4/2003	9/15/2003	9/15/2003
	Vendor Code	Brewer	Byrnes Conway	AMS Construction	Utilities Lines Construction Services, Inc.	Sub-Surface Construction	INFRASOURCE UNDERGROUND CONSTRUCTION	Miller Pipeline Corp.	C J HUGHES CONST CO INC	MICHELS	GREAT WESTERN SERVICES INC	Midwest Energy Services	Henkels & McCov	Arby Construction
	Full Contract Title Display	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	TRACT FOR RK FOR GAS		TRACT FOR RK FOR GAS	TRACT FOR RK FOR GAS	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	TRACT FOR RK FOR GAS	TRACT FOR RK FOR GAS	TRACT FOR RK FOR GAS	TRACT FOR RK FOR GAS	TRACT FOR RK FOR GAS	TRACT FOR RK FOR GAS	TRACT FOR RK FOR GAS
-	Contract ID			89885	B V 165512		166474	<del>     </del>	1			1	1	

Notes:

1) Cumulative amount charged to contract since Contract Execution Date.
2) Cumulative amount approved to contract since Contract Execution Date.

## Terms and Conditions Sample

Mr. Donald Schrantz Sourcing Specialist

FaxNo: 513-287-4233

Request No: G-0000

Request Date: 3/25/2003

Date Bid Due: 4/1/2003

Bids are to be returned by 2:00 p.m. on date bids are due.

rease secure bids for the attached Gas Project(s)

All facilities must be installed in accordance with The Cincinnati Gas & Electric Company's Gas Operation's Specification GD-150 composite, CFR part 192, the Cincinnati Gas & Electric Company's Standard Terms and Conditions Construction of Gas Facilities, and all applicable specifications.

Note: if your current insurance coverage is not up-to-date with our requirements, please submit your certificate of insurance with your bid.

Any contractor performing pipeline construction for Cinergy must submit a copy of their Drug and Alcohol Testing Program in accordance with 49A C.F.R. Parts 199 and 40 to:

Drug and Alcohol Testing Administrator Gas Operations Department 139 E. Fourth Street Rm. 460-A Cincinnati, OH 45202

All excavation work must be done in compliance with OSHA Construction Standards for Excavations, Subpart P.

The contractor will pick up all pipe, cable and other material at the beginning of the job and return all excess material upon completion of work to the purchaser headquarters, storge yard, and/or warehouse as a bid item as directed. The expense of incidental hauling of material will be included with the rest of the bid package and not paid as an item.

Please obtain a quotation from the firms listed below:

Johno	Jobname	Eng
L00-0000-0		

Contractor	Address
	Phone Fax

Page: 1 of 1

## **Construction Management**

# Construction Management

NAME	Truck #	Cellular #	Direct Connect #	Office #	Home #	District	Supervisor
Bill Bill	A/A	513,678,6095	136*24018*84	287-2325	*245-2550	Coordinator	Westenberg
Cargne, Dill	2073	513-678-6096		287-3290	812-623-3891	Supervisor	Westenberg
Carotto Oct	3350	513-678-6097	513-515-5057 135*24018*86	287-5206	541-2836	Paving Sup.	Westenberg
Goyette, Carl	3806	513-678-6098	513-518-6098 136*24018*87 / pager-513-219-0353	287-3335	859-283-0733	Supervisor	Westenberg
Mascullieyer, Mike	1390	513-678-6099	-	287-2519	859-342-6409	Supervisor	Westenberg
Doctor lim	202	859-743-6279	859-743-6279 136*662186*1		859-441-4315	Dana	Westenberg
Drobble Mark	1911	513-678-6100	513-678-6100 136*24018*89	287-3436	553-9773	Supervisor	Westenberg
Sizemore Don	1834	513-678-6101	513-678-6101 136*24018*90 / pager-333-8545	287-2988	513-422-1073	North	Westenberg
Westenberg Dennis	1203	513-678-6102		287-2588	812-537-5479	Superintendent	Morgan
Adrine Kovin		513-678-6103	513-678-6103   136*24018*92				Goyette
Backscheider Barry	1844	513-678-6104	513-678-6104 136*24018*93	287-3290	922-0290	Monfort	Fish
Blauvelt Frank		266-7019	136*24018*128	287-5248			Goyette
Blum Mike	2642	513-678-6106	513-678-6106 136*24018*95	287-3290	*513-661-5106	West	Lisu
Boles Dave		513-678-8363	136*24018*132				Sizemore
Bowling Bob	1847	513-678-6105	136*24018*94				Sizemore
Collins   arry		513-678-6107	513-678-6107 136*24018*96				Coyette
Dovle Dan	2647	513-678-6108	513-678-6108 136*24018*97	287-3436	513-922-9628	West	Preppie
Tesert Harl	2641	513-678-6109	136*24018*98	287-3290	513-451-5976	West	FISH
Est Dan	3825	513-678-6110	136*24018*99	287-3335	859-654-3435	East	McGlone
Goff Don	2645	513-678-6111	136*24018*100	287-3290	513-598-5852	East	FISH
Hall Kevin	1073	513-678-6112	513-678-6112 136*24018*101	287-3335	859-586-5844	Florence	Maschmeyer
James Gred	2646	513-678-6113	3 136*24018*102	287-3436	937-444-9545	East	Prebble
Johnson Fred		513-678-6114	1 136*24018*103				Coyette
tones Kenny	2643	513-678-6115	136*24018*104	287-3290	765-647-6445	West	FISh
Klei Jeff	2672	513-678-6116	513-678-6116 136*24018*105	287-3290	*513-385-6333	Dana	Fish
Kith Man		513-678-8308	136*24018*131				Prebble
Malone Kevin	2673	513-678-6117	7 136*24018*106	287-3436	513-272-3296	Eastern	Prebble
Maynard Wayne	2679	513-678-6118	3 136*24018*107	287-2988	513-922-6877	Eastern	Mcglone
McAlpin Mike	2640	513-678-6118	9 136*24018*108	287-3290	513-662-4625	West	FISH
Mericle Cliff	2972	513-678-6120	513-678-6120   136*24018*109	287-3631	812-926-0391	Florence	McGlone
Market Diesel Boh		678-4433	136*24018*127	287-5248	756-1966		Goyette
Meyer Tony	2675	513-678-612	513-678-6121 136*24018*110	287-2988	513-661-6476	Dana	Sizemore
Newkirk Scott	2674	513-678-6122	2 136*24018*111	287-2988	937-787-3973	Todhunter	Sizemore
Phillips Fred	2973	513-678-612	513-678-6124 136*24018*113	287-3335	859-291-6626	Florence	Maschmeyer
Reed Mike	1770	513-678-6125	5 136*24018*114	287-2988	931-7296	Dana	2
Ruter Dave	1853	513-678-6126	513-678-6126 136*24018*115	287-3436	859-441-3459	Dana	ı
Sendelbach, Louis	2392	513-678-612	513-678-6127 136*24018*116	287-1428	859-635-7115	East	Maschmeyer
	2678	513-678-6128	8 136*24018*117	287-3335	859-384-7467	Florence	Maschmeyer
Sizemore, Denny	2676	513-678-6129	513-678-6129 136*24018*118	287-3335	859-426-5039	Florence	Maschmeyer

## Construction Management

				7 390	Home #	Oietrio.	Supervisor
NAME	Truck #	Cellular #	Direct Connect #	# epilice #	*Unlisted	DISHIEL	oche i de
Om the	2347	513-678-6130	513-678-6130 136*24018*119	287-3436	738-8703	West	Prebble
Sillyar, DOD	7080	513-678-6131	513_678_6131 136*24018*120	287-2988	937-743-9519	Todhunter	Sizemore
Stilvely, Cillis	2303	513-678-6132	513,678-6132 136*24018*121	287-1426	287-1426 513-574-1818	West	Sizemore
Sweltzer Tom	2644	513-678-6133	513-678-6133 136*24018*122	287-3436	287-3436 513-741-9914	East	Prebble
Tutto Bicky		513-678-6134	513-678-6134 136*24018*123				Goyette
Voncentry Orac	2677	513-678-6135	513-678-6135 136*24018*124	287-3436	287-3436 513-481-8101	Monfort	Prebble
Mognor Mike	1804	513-678-6139	513-678-6130 136*24018*125	287-3335	287-3335 859-525-2580	Florence	McGlone
wagner, mike	1802	513-618-6140	513-518-6140 136*24018*126	287-3631	287-3631 812-438-2234	Dana	McGlone
Waller, Rick	1032	513-010-014 513 678 8208	513-0150 0150 5-515 150 513 678 8508 128*24018*130				Prebble
Walters, Iom	2074	542 4885	210-8483	287-3188	287-3188   859-342-6898	House Bills	Shepard
Foreman, Frank	787	543 643 7467	545-4000 545-4000 545-4000 545-4000 545-4000	287-5290	513-753-8067	Safety	Dierker
Senior, Greg	1067	010-040-010	639-9030	287-2638	287-2638 FAX 287-2018		
I onya Bourrage			639-9029	287-5549	287-5549 FAX 287-5434		
Chris Kloeker			639-9031	287-5424	287-5424 FAX 287-5434		

## **Contractor Manpower**

## Contractor Manpower

12/18/2003	AVE	RAG	ў# 3	PINO	AVERAGE # CONTRACTOR PERSONNEL PER MONTH	OR P	RSC	NNE	L PEF	S MO	HTN	
						2003		1				
Contractor	Jan	Feb	Mar	Apr	Maχ	Jun Jul		Aug	Sep	히	ş	)   
Main Construction												
Gas Only											+	
1The Brewer Co.	33	33	72	73	9	91	83	84	84	8	8	84
2 Byrnes Conway Co.	65	57	22	22	20	80	92	85	85	85	85	85
3 AMS	70	70	8	80	95	103	101	83	83	83	83	8
4 C.I Huches	24	35	35	46	27	74	99	20	79	79	79	73
5 Miller Pipeline	74	80	85	100	125	126	125	135	135	135	135	135
6 Infrasource	10	5	ဖ	13	15	16	20	20	20	20	20	20
7 ULC (Asplindh Union.)	24	15	9	0	0	0	0	0	0	0	0	0
8 Great Western	0	0	15	21	15	19	30	34	34	34	34	34
		Ξ	=	7	=	F	7	7	7	7	_	_
10 Arby's	0	0	8	တ	6	6	6	6	6	6	6	တ
11 Henkel and McCov	0	0	0	16	16	16	<u>~</u>	17	17	17	17	17
12 Midwest							20	56	56	26	26	56
Subtotal	311	311	379	426	504	545	557	527	579	536	536	536
37.	1											
Carl Goyette				1		Ì						
Paving					- 7							
1 AMS - Concrete, Asphalt, Unit Cost	5	5	5	5	5	5		2	2	2	5	0
2 Dad's bobcat Service	4	4	4	4	4	4		4	4	4	4	4
3 Adleta	3	က	က	က	က	က		3	က		ا	<u>در</u>
4 AMS - Grass	4	4	4	4	4	4	4	4	4		4	4
6 AMS - Concrete Asphalt / Fastrak	4	4	4	4	4	4	4	4	4		4	4
Company Welders	4	· 4	4	4	4	4	4	4	4		4	4
Subtotal	24	24	24	24	24	74	24	24	24	77	24	24
		L.					-		Ş	į.	000	000
Grand Total	335	335	403	420	528	59G	28	221	SS	200   200   200	8	200

•		

## Construction Schedule For Module And Non-Module Jobs

# Modules-- Construction Schedule and Progress Report Fourth Quarter 2003

Percentage Complete	100%	100%	100%	2,000	100%	100%	100%	%001
Remaining I		: 1	:	•	1	ı	1	•
Length	25.260	15,663	7,000	7,550	707')	2,762	3,514	810
Projected	25 260	45,663	1,000	0,550	797'/	2,762	3,514	810
Afjortance	Community	Covingtion	Cold Springs, nignially nis.	Dayton	Ft. Mitchell	Campbell County	Park Hills	Newport Ft. Thomas
	Contractor	Miller	Miller	Miller	Midwest Gas	Byrnes	Byrnes	Byrnes
dol.	Name	MODULE 259	MODULE 279	MODULE 280	MODULE 287	MODULE 288	DIXIE HWY	WATERWORKS RD
dol.	Number	02-8259-0	02-82/9-8	02-8280-6	04-8287-7	04-8288-7	03-1059-9	03-1083-9

# AMRP Projects Construction Scheduk J Progress for Projects Outside Module Work

ReportPeriod: 200312

OM	VO Jobno	Job Name	Start Date	In ServiceDt	Construction By	Pct Complete	Length
B3977	B3977 03-1084-7 12TH ST	12TH ST	02/03		Byrnes	0	1,720.00
B3980	03-1065-6	03-1065-6    SUNSET PL	08/03	11/10/2003	Henkeis	100	2,653.00
B3992	00-7021-9	00-7021-9 TENTH ST BRIDGE-NEWPORT	04/03		CJHughes	<u></u>	1,954.00
B5094	B5094 03-1117-5	03-1117-5   FAIRFIELD PL	07/03	10/9/2003	AMS	100	922.00

## **Index of AMRP Projects**

Attached is a listing of:

1. AMRP projects scheduled in 2003 fourth quarter. These project numbers will match the 11" x 17" job construction drawings included with this mailing. The job number is located in the box in the lower right-hand corner of the page.

## **Construction Drawings and Maps**

## The following Construction Drawings and Maps are included as part of the Fourth Quarter 2003 Filing

## **Construction Drawings:**

None

## Maps:

S01W01
S04E02
S03E02
S02E02
S02W01
S02E01
S04W01

## Progress Reports For Module Work And Projects Outside Of Module Work

Fourth Quarter 2003

# Modules-- Construction Schedule and Progress Report Fourth Quarter 2003

Percentage	Complete	100%	100%	100%	100%	100%	100%	100%
	Main	ı	•	1	1	•	1	•
Length	To Date	25,260	15,663	7,330	7,262	2,762	3,514	810
Projected	Length	25,260	15,663	7,330	7,262	2,762	3,514	810
	Community	Covington	Cold Springs, Highland Hts.	Dayton	Ft. Mitchell	Campbell County	Park Hills	Newport Ft. Thomas
	Contractor	Miller	Miller	Miller	Midwest Gas	Byrnes	Byrnes	Byrnes
qof	Name	MODULE 259	MODULE 279	MODULE 280	MODULE 287	MODULE 288	DIXIE HWY	WATERWORKS RD
Job	Number	02-8259-0	02-8279-8	02-8280-6	04-8287-7	04-8288-7	03-1059-9	03-1083-9

ReportPeriod: 200312

0///	ondo	Mame Value	Start Date	In ServiceDt	RedNo	Construction By	Pct Complete	Length
>	Oligon	-						
B3977	B3977 03-1084-7 12TH ST	12TH ST	02/03		G-4538	Byrnes	0	1,720.00
B3980	03-1065-6	B3980   03-1065-6   SUNSET PL	08/03	11/10/2003	G-4547	Henkels	100	2,653.00
B3992	00-7021-9	00-7021-9 TENTH ST BRIDGE-NEWPORT	04/03		G-4591	KDOT	15	1,954.00
B5094	03-1117-5	B5094 03-1117-5 FAIRFIELD PL	07/03	10/9/2003		AMS	100	922.00
_					(L			

## **Pressure Charts For Module Work**

Fourth Quarter 2003

## **Pressure Charts For Module 258**

LOCATION

LINE DESIGNATION

TEST PRESS

NIND

AIRET GAS D WATER

SEGMENT NUMBER

SERVICE DATE

Copued al 2503

LOCATION

STAND AIRET GAS D WATER

SERVICE DATE

SERVICE DATE

Copued al 2503

LOCATION

LINE DESIGNATION

DATE STARTED

SERVICE DATE

Copued al 2503

LOCATION

LINE DESIGNATION

SERVICE DATE

Copued al 2503

LOCATION

LOCATION

LINE DESIGNATION

SERVICE DATE

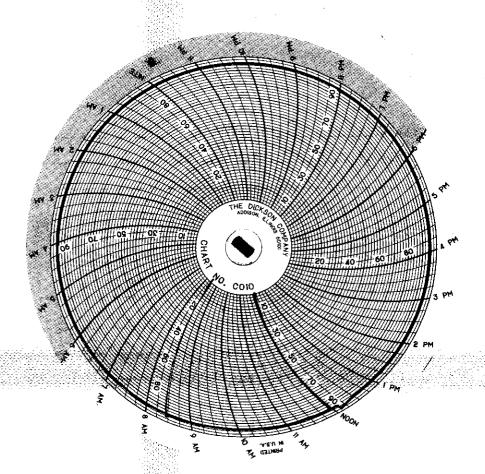
LOCATION

LOCATION

LINE DESIGNATION

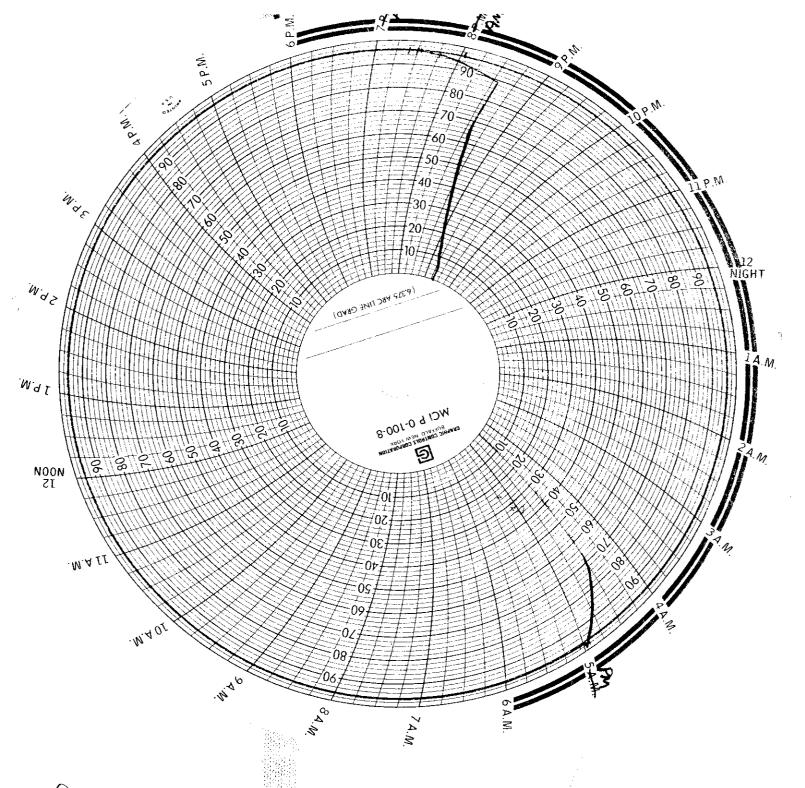
LOCATION

LO

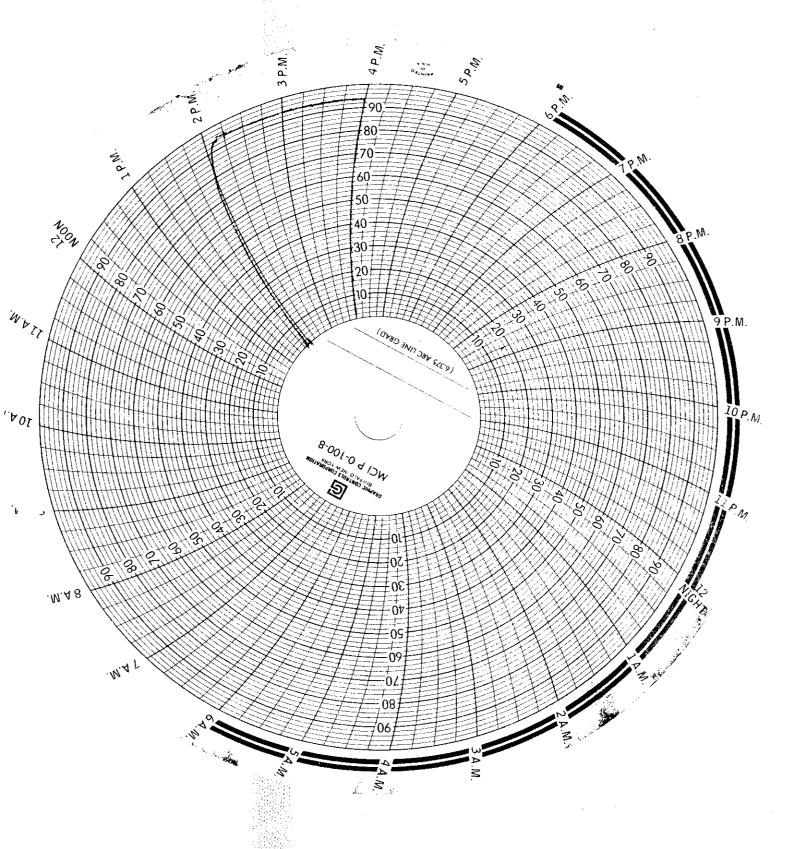


MODULE 258

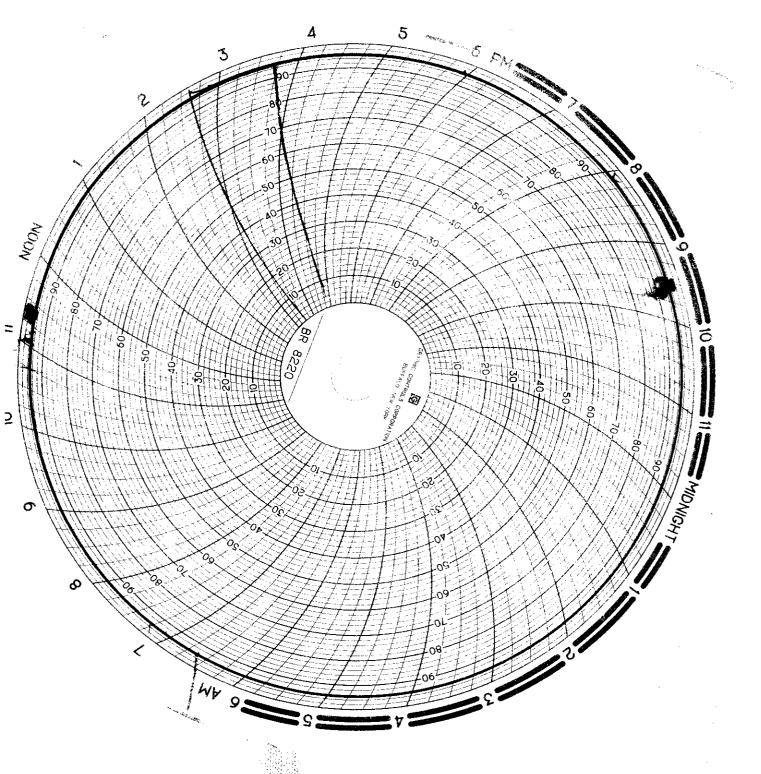
# **Pressure Charts For Module 280**



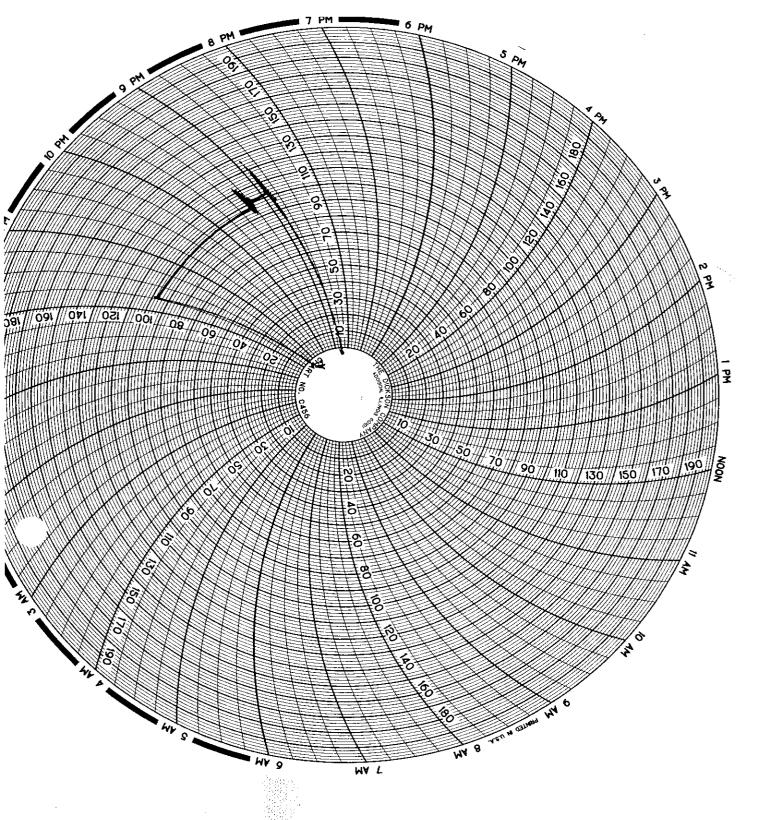
Difie Hever 03-1059-9 part of modile 280



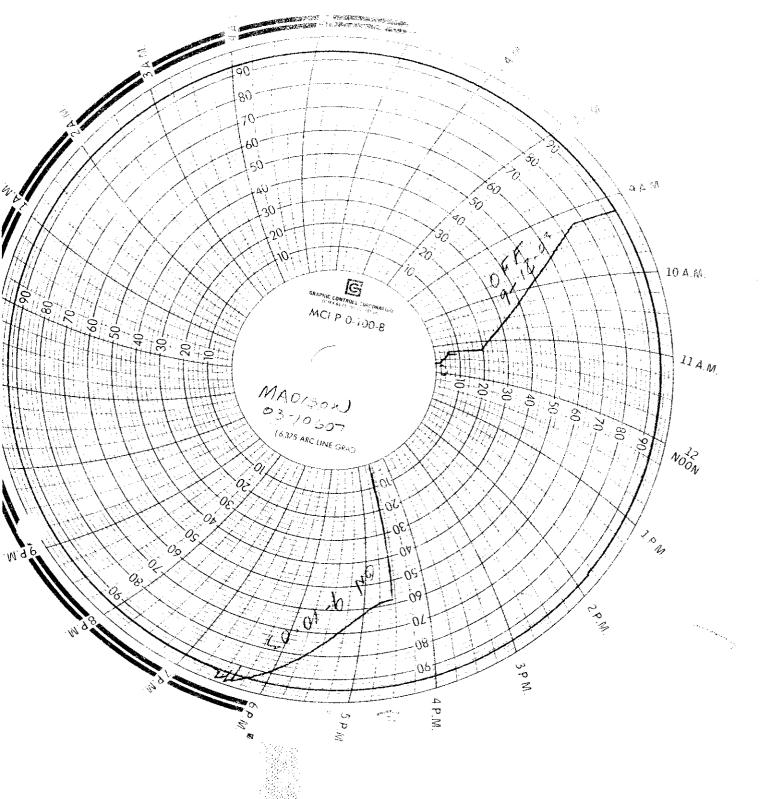
03-1059-9 Vipie Hwy party mod 280



03-1061-5 2014 E (partif moo 280)

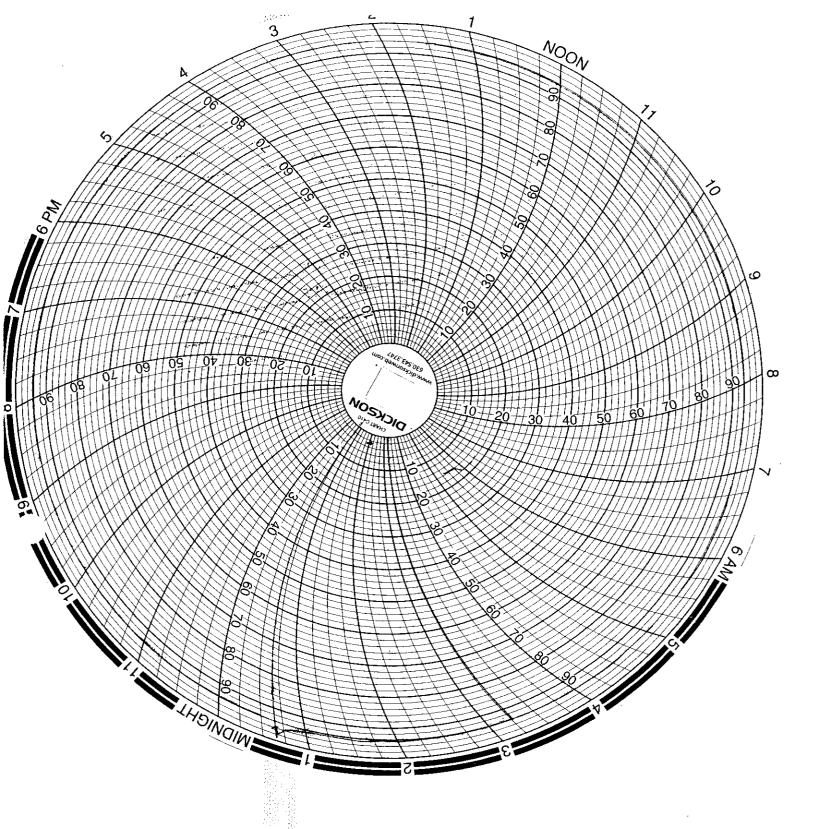


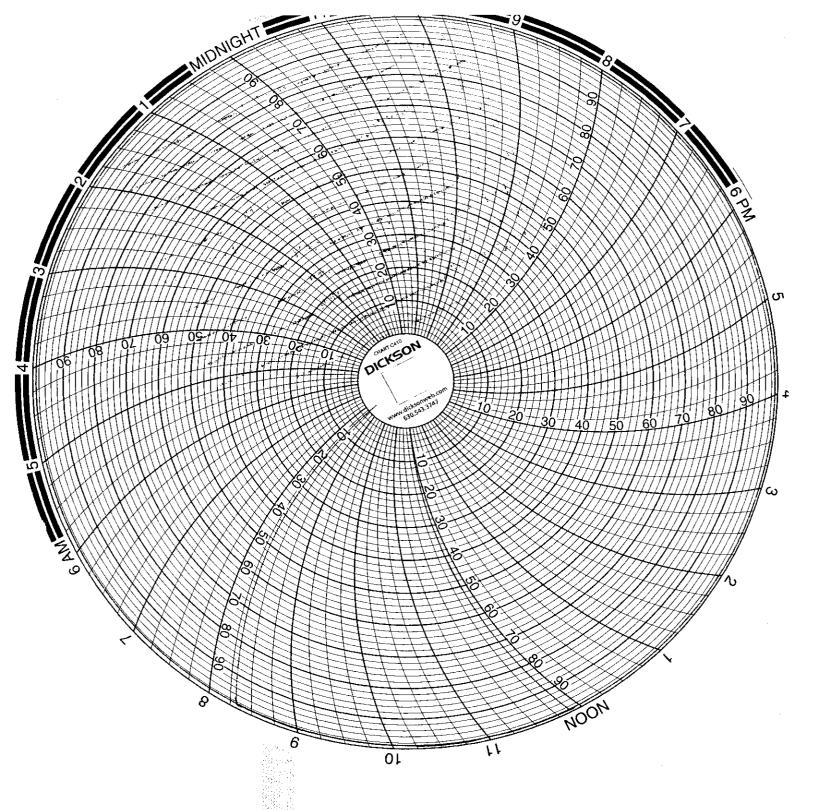
03-1061-5 (poitM moo 280)



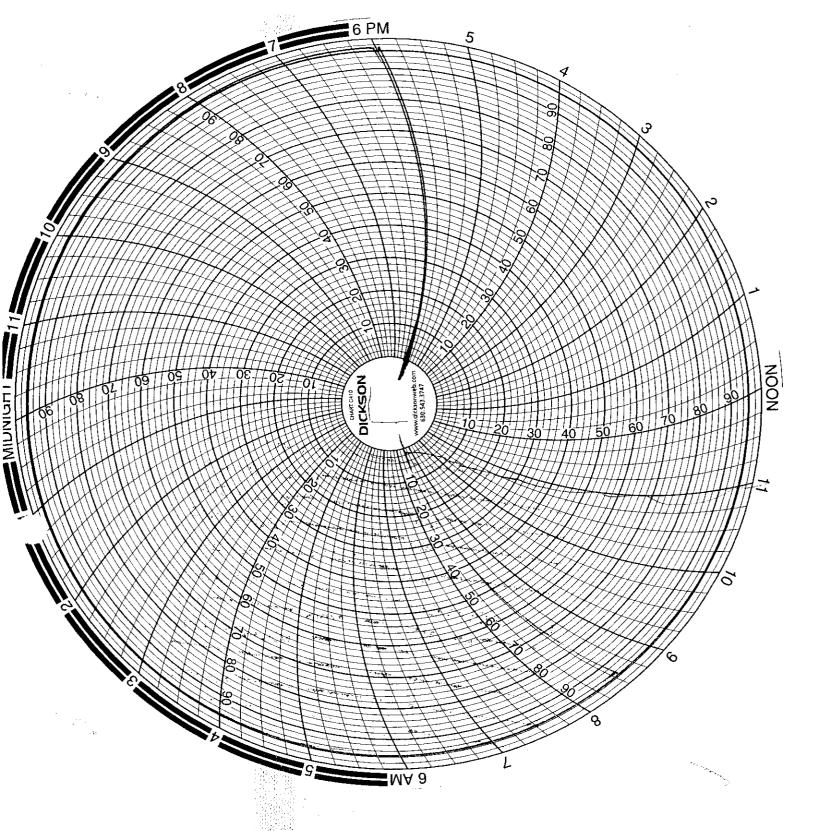
D3-1060-7 Madiso (port = 6 NOD 280)

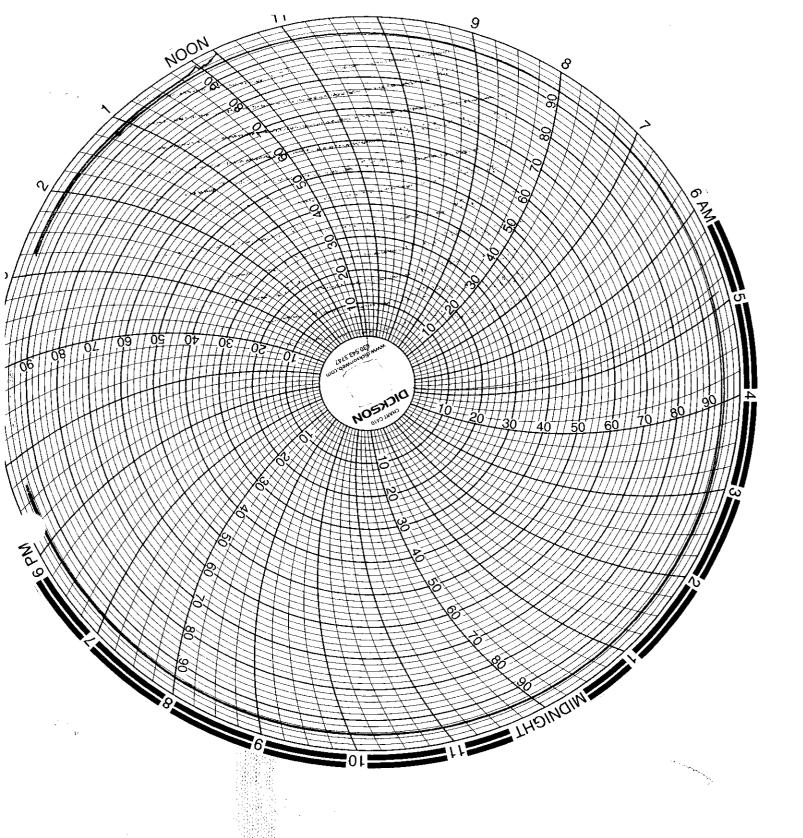
### **Pressure Charts For Module 287**

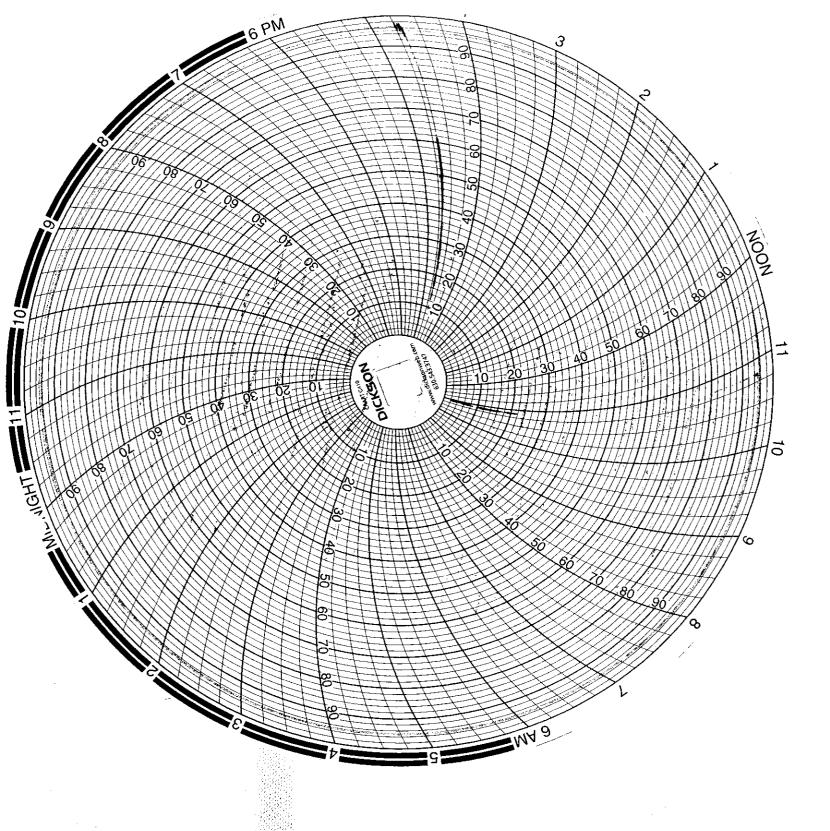




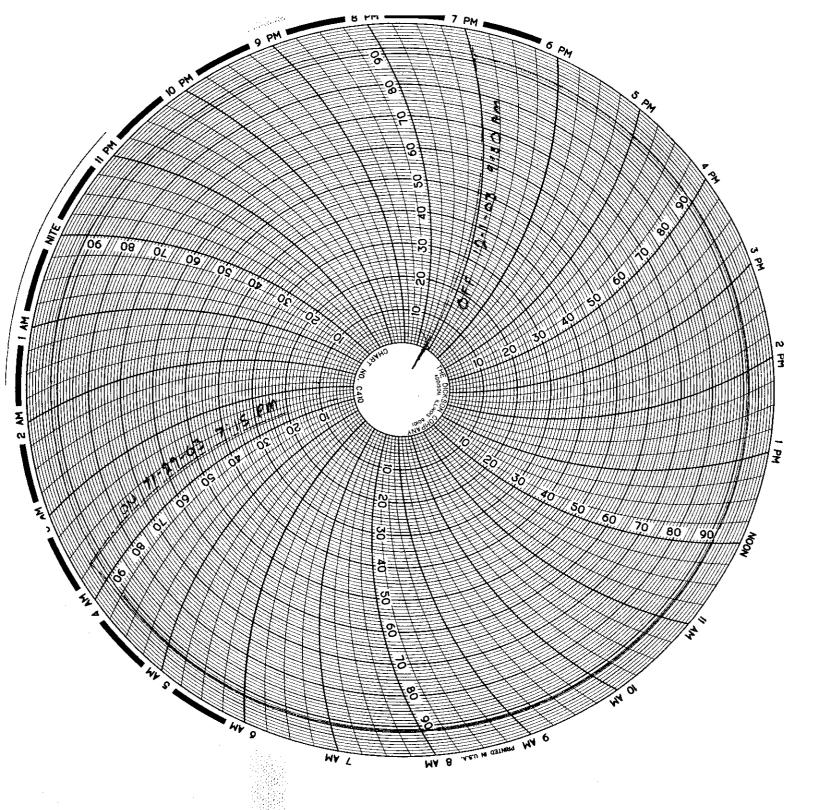
Mokule 287



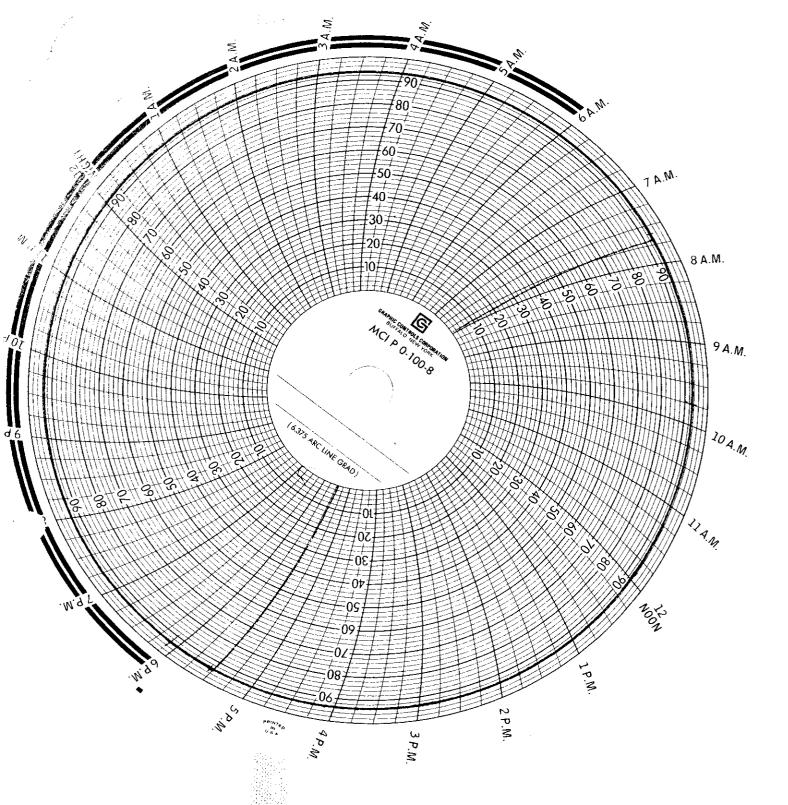


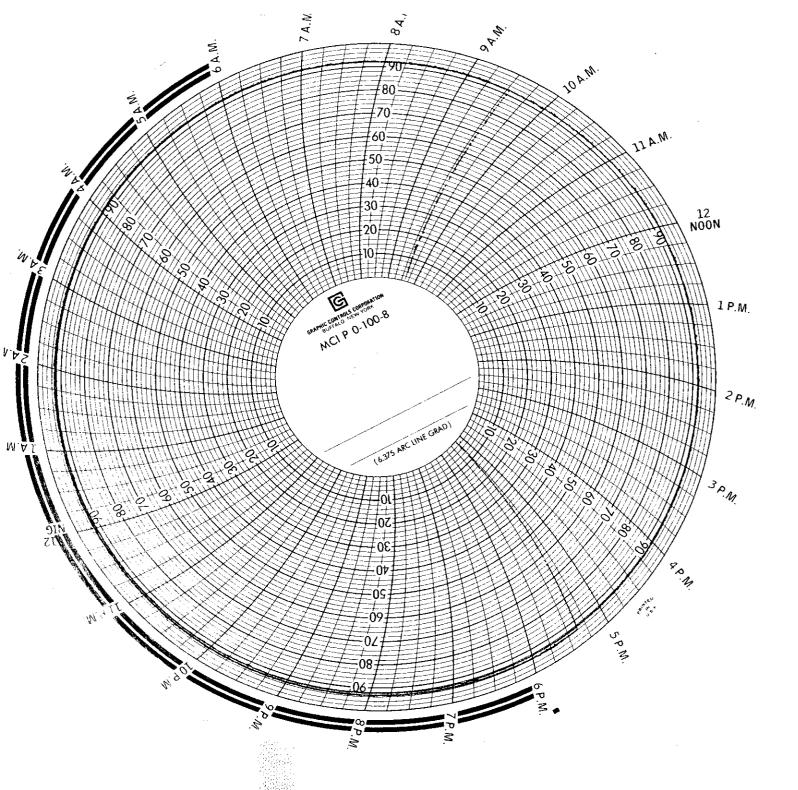


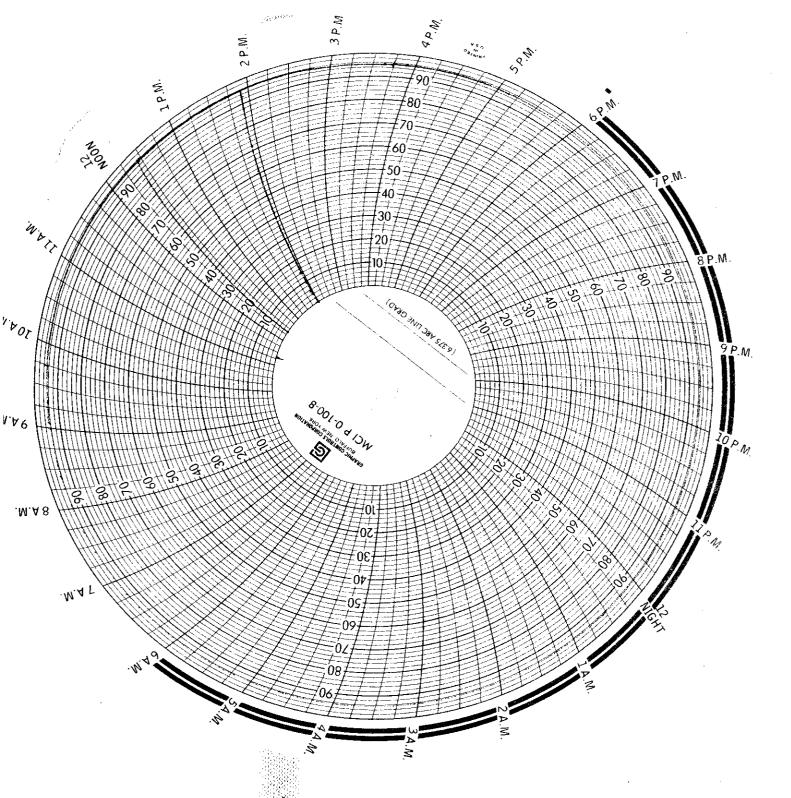
noduli 287

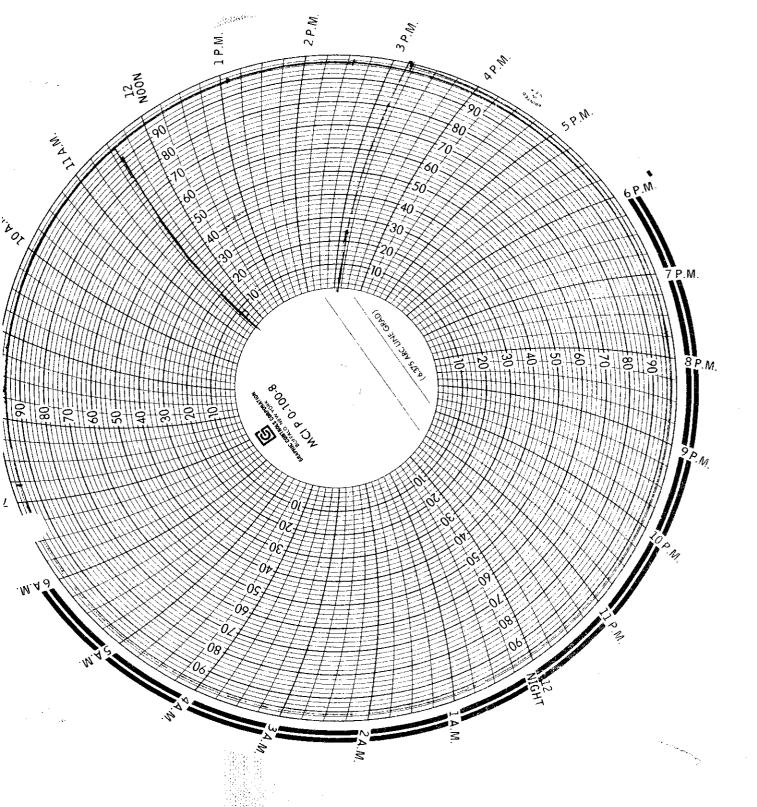


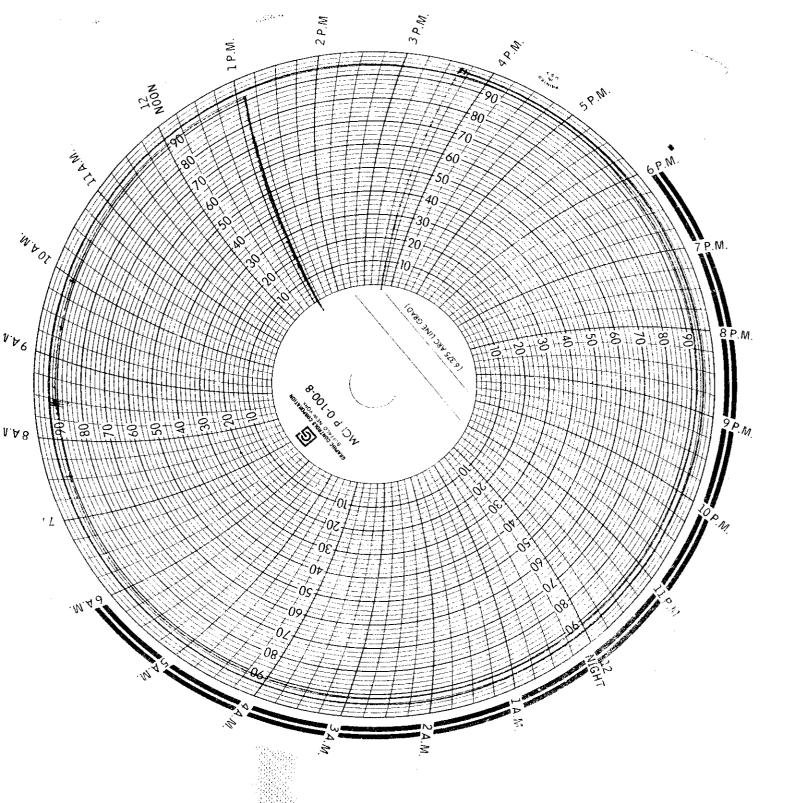
# **Pressure Charts For Module 288**







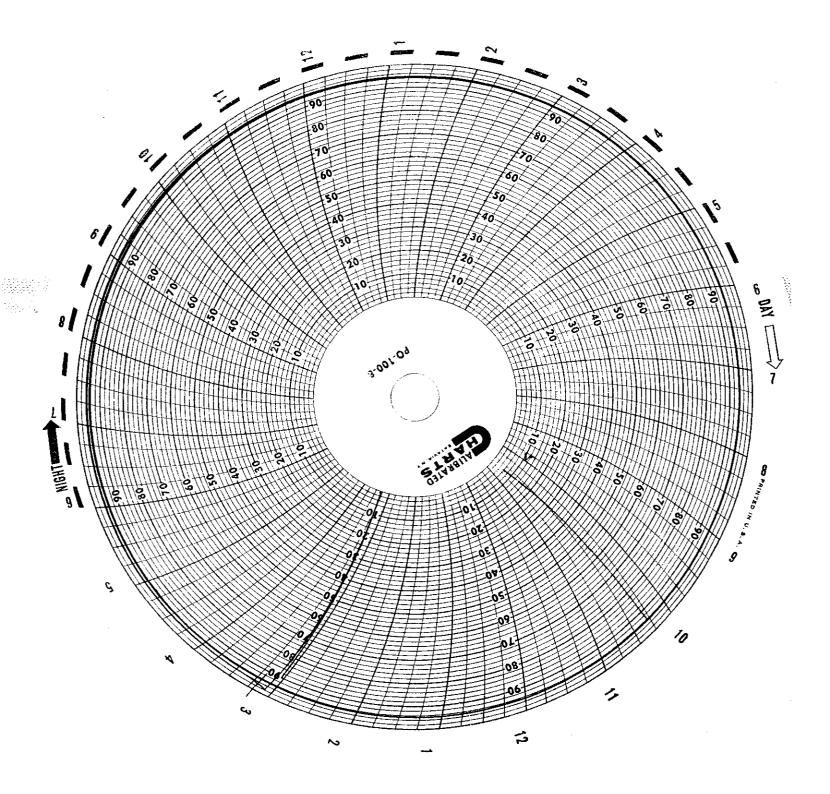




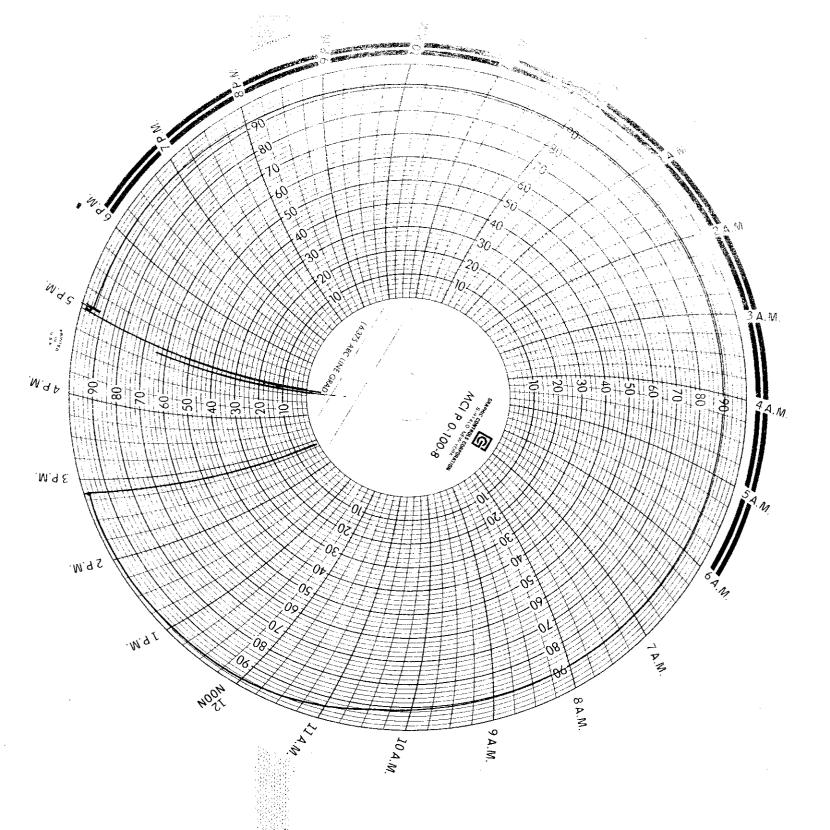
# Pressure Charts For Projects Outside of Module Work

Fourth Quarter 2003

# **Pressure Charts For Fairfield Place**



Fairfield Pl U3-1117-5



03-1117-5 Fairfield Pl

# **Pressure Chart For Sunset Place**

LOCATION SUNSET PL COVINGTON

LOCATION SUNSET PL COVINGTON

LINE DESIGNATION SERTAL NO.02347928

SIZE 2" 4" KIND PL LENGTH 2700'

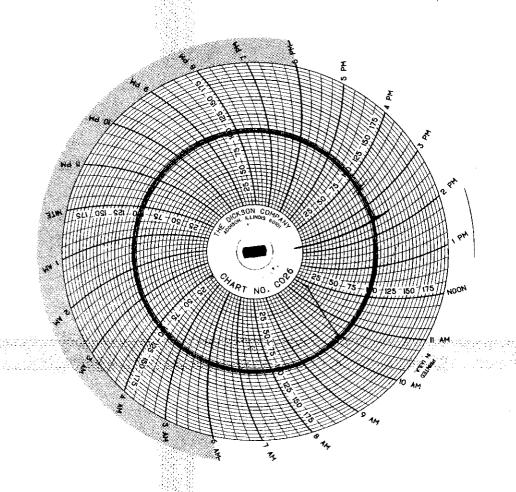
TEST PRESS 98

AIR GAS WATER DATE 10.3-03

DATE STARTED 10-3-03 TIME 1.30AM

SEGMENT NUMBER PG 3-4-5-6-7

VSERVICE DATE 10-7-03



		ı

# Welding Certification Fourth Quarter 2003

ATE COMPANY	903 MILLER	03	03 CGE GAS	AMS	BYRNES	MICHEALS	203 CGE GAS	103 BYRNES	SKIBECK	SKIBECK	SKI BECK	SKIBECK
TEST DATE	. 6/18/2003	. 8/3/2003	9/4/2003				8/27/2003	6/26/2003				
TYPE	VISUAL	VISUAL	X-RAY				X-RAY	VISUAL				
6 - MONTH RETEST	MARKET &NORTH	7600 BEECHMONT	US RT 50 & 1275				8400 HAMILTON	20TH ST				
CERT. DATE	02/02/03		01/06/03	09/03/03	11/26/03	12/17/03	01/08/03	04/17/03	06/16/03	07/28/03	06/16/03	05/28/03
NAME	ADDISON, CHARLES		ADKINS, KEVIN	ANTON, MARK	BANNISTER, JASON	BLEVINS, KEVIN	COLLINS, LARRY	COOPER, RODNEY	DEWITT, JOHN	DUDDLESTON,STEVE	DUHON, BENJI	FOURNIER, TOMMY

GREEN, ANDREW	10/20/03				BYRNES
GROS, RANDY	07/31/03				SKI BECK
HARBAUGH, SCOTT	09/26/03				MID WEST
HIPSHER, TED	07/28/03				BYRNES
HOLLIER, JEFFERY	05/28/03				SKIBECK
HUBER, DAVE	04/24/03	ST RT 22 & 48	X-RAY	6/4/2003	MICHAELS
HUDDLESTON, DON	09/23/03				слниснея
JOHNSON, FRED	01/07/03	ST RT 22 & 27(FALMOUTH,KY)	X-RAY	7/22/2003	CGE GAS
JONES, ERIC	10/29/03				BREWER
KINSER, JOHN	03/28/03	APPLE HILL	X-RAY	6/17/2003	MUELLER
KINSER, STEVE	05/28/03	29TH & ROGERS	VISUAL	6/25/2003	MILLER
LOCASCIO, GERALD	10/17/03				HUGHES
MARKER, SCOTT	07/31/03				НОСНЕЅ

McGEE, LANDLE         05/28/03         S           MILBY, KENNETH         09/09/03         C           NOBLES, ROBERT         09/38/03         APPLE HILL         X-RAY         C           PARNICKY III, STEPHEN         04/28/03         APPLE HILL         X-RAY         6/17/2003         D           PLYES, KEVIN         12/02/03         C         D         D         D         D           ROSS, JEFF         11/19/03         C         D	McCLOUD, LEE (HENRY)	07/30/03				HUGHES
TH 09/09/03  RT 09/30/03  STEPHEN 04/28/03  09/25/03  12/02/03  11/19/03  F 05/16/03  NY 04/14/03  07/28/03  06/16/03	McGEE, LANDLE	05/28/03				SKIBECK
TH						
STEPHEN   04/28/03   APPLE HILL   X-RAY   6/17/2003	MILBY, KENNETH	09/09/03				с л ни внеѕ
STEPHEN   04/28/03   APPLE HILL   X-RAY   6/17/2003	NOBLES, ROBERT	09/30/03				СЈНИСНЕЅ
12/02/03	PARNICKY III, STEPHEN	04/28/03	APPLE HILL	X-RAY	6/17/2003	MUELLER
12/02/03	PERRY, RANDY	09/25/03				BREWER
11/19/03	PLYES, KEVIN	12/02/03				ENERGY INS
F 05/16/03  E 10/14/03  NY 04/14/03  WESTERN&NORTHERN VISUAL 6/20/2003  07/28/03  06/16/03	ROSS, JEFF	11/19/03				HUGHES
E       10/14/03       WESTERN&NORTHERN       VISUAL       6/20/2003         NY       04/14/03       WESTERN&NORTHERN       VISUAL       6/20/2003         0       07/28/03       06/16/03       06/16/03	SEARS, ERNEST	05/16/03				HUGHES
NY 04/14/03 WESTERN&NORTHERN VISUAL 6/20/2003 07/28/03 06/16/03	SEARS, EUGENE	10/14/03				HUGHES
07/28/03	SANCHEZ, BENNY	04/14/03	WESTERN&NORTHERN	VISUAL	6/20/2003	BREWER
06/16/03	SIMON, SHANE	07/28/03				SKI BECK
	SPELL, GERALD	06/16/03				SKI BECK

STALNAKER, ERIC	08/12/03				BYRNES
STELLY, NATHAN	05/28/03				SKIBECK
TAXIS, PAT	04/09/03				MILLER
TAXIS, TOM	04/18/03	BULTER-WARREN C314	X-RAY	11/11/2003	GREAT W
TUTTLE, RICKY	01/10/03	BULTER-WARREN C314	X-RAY	9/9/2003	CGE GAS
WILCOX, THOMAS	12/03/03				MILLER
WILLIAMSON, WAYNE	06/16/03				SKI BECK
WYATT, RANDY	01/16/03	WESRTERN & NORTHERN	VISUAL	6/17/2003	BREWER

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 311-48-0695

Test No.: 3-07

SECTION 3.3 API 1104

Location: 2120 Dana Avenue Date: 1-09-03								
Contractor: Cincinnati Gas & Electric	:		Sub	-contractor: MII	LLER			-
Schedule: N/A			Gang: N/A		Inspector: N/A	W 2 - 1 · 1	· · · · · · · · · · · · · · · · · · ·	
Date: 2/5/03 Location	n- OHIO	R	oli Weld: N/A		Fixed Position	Weld: 5G		
Welder CHARLES ADDISON				MARK CE				
Welding Time: 1 ½ HR			Tim	e of Day: 8:00AN	Л	M. Temperatur	e 70 F.	
Weather Condition: Inside Building		·						
Wind Break Used: N/A	Voltage:	21		Amperage	: 120/190			***
Make of Welding Machine: LINCOLN			Size	e: 200				
Brand of Electrode: LINCOLN								
Size of Reinforcement 1/8 - 5/32								
Pipe Mfr: LTV			Kind	: API GRB 5L				
Wall Thickness: .219	Dia. O.D.	12 3/	4 Wt.	Ft. 29.31	Joint L	ength: Nipple	-	
Bead No.	1		2	3	4	5	6	7
Size of Electrode:	1/8		1/8	5/32	5/32			<del> </del>
No. of Electrode:	E6010	,	E6010	E6010	E6010			<del></del>
Coupon Stenciled:	1	1	2	3	4	5	6	7
Original:	1.300	,	1.200			<u>-   </u>		+
Dimension of Plate:	.219		.219					
Orig. Area of Plate in 2:	.284		.262			ļ — — — — — — — — — — — — — — — — — — —		
Maximum Load:	18000	)	17000					
Tensile S/in. Plate Area:	63380	,	64885			_		
Fracture Location:	ВМ		BM			1		
0 Procedure X Welder				ualifying Test ne Test			ualified squalified	<b></b>
Max. Tensile: 64885		Ī	Min. Tensile: 63	380		Avg. Tensite 64132		
Remarks on Tensile			Rem	arks on Bend Te	sts	† <del></del>	arks on Nick Tests	
1 SATISFACTORY,FRACTURE BASE	METAL		1. Root SATISFACTORY			1. SATISFACT		<u>,                                      </u>
2 SATISFACTORY,FRACTURE BASE METAL			2. Root SATIS					
3 SATISFACTORY,FRACTURE BASE METAL			3. FACE NA 3			3		
4 SATISFACTORY, FRACTURE BASE METAL			4 FACE NA					
		Tee Test						
	ptable							
Coupon	Yes	No			Rem	arks		
Crotch	X					<del> </del>		
Crotch	х							
Side	X							
Side	х				<del></del>	<del></del>		
Pipe Diameters Branch: 12"			Run: 12"	Position: B	оттом х	SIDE		
Test Made At: 2120 Dana Avenue	[	Date: 2	-05-03					
Fested By: Cincinnati Gas & Electric		Supervi	sed By: CARL G	OYETTE				
Certified By: Coul Moye	the	"			·			
Title: Welding Supervisor								
Date: 2-05-03				<del>112</del>				
H:\APPSDATA\WP51\CM\COUPONTS.RPT							+	

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 401-86-9893 Test No.: 3-01

SECTION 3.3 API 1104

Location: 2120 Dana Avenue Date: 1-06-03 Contractor: Cincinnati Gas & Electric Sub-contractor: Schedule: N/A Gang: N/A Inspector: N/A Date: 1-06-03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder KEVIN ADKINS MARK E-7 Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: MILLER Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 2 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 2 1 4 5 6 7 Original: 1.200 1.200 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .262 .262 Maximum Load: 17000 17000 Tensile S/in, Plate Area: 64885 64885 Fracture Location: вм вм 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 64885 Min. Tensile: 64885 Avg. Tensile 64885 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: Position: BOTTOM SIDE Х Test Made At: 2120 Dana Avenue Date: 1-06-03 ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE ogotto Certified By: Title: Welding Supervisor Date: 1-06-03

H:\APPSDATA\WP51\CM\COUPONTS.RPT

SECTION 3.3

### THE CINCINNATI GAS & ELECTRIC COMPANY **COUPON TEST REPORT**

SS# 275-58-5506 Test No.: 3-39

Location: 2120 DANA AVE Date: 9/03/03 Contractor: Cincinnati Gas & Electric Sub-contractor: AMS Schedule: N/A Gang: N/A Inspector: Date: 9/03/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder MARK ANTON MARK MA Welding Time: 1 1/2 HR. . Time of Day: 8:00AM F. M. Temperature 70 Weather Condition: INSIDE Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 6 5 7 Original: 1.100 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .219 Maximum Load: 17000 16500 Tensile S/in. Plate Area: 70833 75342 Fracture Location: 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 75342 Min. Tensile: 70833 Avg. Tensile 73087 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1. SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY SATISFACTORY 2. SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY SATISFACTORY 3. SATISFACTORY, FRACTURE BASE METAL 3. FACE N/A 4. SATISFACTORY, FRACTURE BASE METAL 4. FACE N/A Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: Run: 12" Position: ВОТТОМ Test Made At: 2120 DANA Date: 9/03/03 Fested By: CARL GOYETTE Soyett Certified By: Title: Welding Supervisor Date: 9/03/03

### SECTION 3.3 API 1104

Location: 2120 Dana Avenue

### THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT SS# 256-65-0414

Date: 11/26/03

Test No.: 3-51

Contractor: Cincinnati Gas & Electric Sub-contractor **BYRNES** Schedule: N/A Gang: N/A Inspector: N/A Location- OHIO Roll Weld: N/A Date: 11/26/03 Fixed Position Weld: 5G Welder JASON BANNISTER MARK JAB Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: MILLER Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 2 3 1 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 E6010 E6010 No. of Electrode: E6010 E6010 Coupon Stenciled: 1 2 3 5 6 7 Original: 1.000 1.100 .219 Dimension of Plate: .219 Orig. Area of Plate in 2: .219 .240 'daximum Load: 16000 16500 Tensile S/in. Plate Area: 73059 68750 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 73059 Min. Tensile: 68750 Avg. Tensile 70904 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Х Side Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM SIDE Test Made At: 2120 Dana Avenue Date: 11/26/03 cested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 11/26/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 438-43-2998 Test No.: 3-54 SECTION JAS

Location: 2120 Dana Avenue Date: 12/17/03 contractor: Cincinnati Gas & Electric Sub-contractor **MICHEALS** Schedule: N/A Gang: N/A Inspector: N/A Date: 12/17/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder MICHAEL BLEVINS MARK ΜВ Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 LTV Pipe Mfr: Kind: API GRB 5L Wall Thickness: .219 Wt./Ft. 29.31 Dia. O.D. 12 3/4 Joint Length: Nipple Bead No. 1 2 4 3 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 6 7 Original: 1.000 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .219 .219 16000 Maximum Load: 16000 ensile S/in. Plate Area: 73059 73059 Fracture Location: ВМ BM 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 73059 Min. Tensile: 73059 Avg. Tensile 73059 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. **Tee Test** Acceptable Yes Coupon No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 12/17/03 ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 12/17/03

Test No.: 3-03

SECTION 3.3 API 1104

Location: 2120 Dana Avenue			Date: 1-08-03								
Contractor: Cincinnati Gas & Electric			Sub-contractor:								
Schedule: N/A			Gang: N/A		Inspector: N/A						
Date: 1-08-03 Local	tion- OHIO		Roll Weld	I: N/A	Fixe	d Position Weld: 5	iG				
Welder LARRY COLLINS				MARK C-5							
Welding Time: 1 ½ HR			Tim	e of Day: 8:00A	Л	M. Temperatu	re 70 F.				
Weather Condition: Inside Building							· · · · · · · · · · · · · · · · · · ·				
Wind Break Used: N/A	Voltage: 2	1		Amperage	: 120/190						
Make of Welding Machine: MILLER			Size	e: 200							
Brand of Electrode: LINCOLN				·							
Size of Reinforcement 1/8 - 5/32				<u></u>							
Pipe Mfr: LTV			Kind	f: API GRB 5L							
Wall Thickness: .219	Dia. O.D.	12 3/4	Wt.	Ft. 29.31	Joint L	ength: Nipple					
Bead No.	1		2	3	4	5	6	7			
Size of Electrode:	1/8		1/8	5/32	5/32			1			
No. of Electrode:	E6010		E6010	E6010	E6010						
Coupon Stenciled:	1	İ	2	3	4	5	6	7			
Original:	1.120		1.200								
Dimension of Plate:	.219		.219								
Orig. Area of Plate in 2:	.245		.262					1			
Maximum Load:	16500		17000				<del></del> :	<del> </del>			
Tensile S/in. Plate Area:	67346		64885								
Fracture Location:	ВМ		ВМ								
0 Procedure X Welder		<b>-</b>		Qualifying Test ine Test	· · · · · · · · · · · · · · · · · · ·		tualified isqualified	.1			
Max. Tensile: 67346			Min. Tensile: 64	885		Avg. Tensile					
Remarks on Tensile			Rem	arks on Bend Te	ests	+ -	arks on Nick Test	s			
1 SATISFACTORY,FRACTURE BASE	METAL	-	1. Root SATIS	FACTORY		1. SATISFAC					
2 SATISFACTORY,FRACTURE BASE	E METAL		2. Root SATIS			2 SATISFAC	<del></del>				
3 SATISFACTORY, FRACTURE BASE	E METAL		3. FACE NA		<del></del>	3	- 17 - 12				
4 SATISFACTORY, FRACTURE BASE	EMETAL		FACE NA			4.					
			Te	e Test			· ••• •••				
	Accep	table			<del></del>						
Coupon	Yes	No	1		Rem	narks		,			
Crotch	х										
Crotch	X			·		· · · · · · · · · · · · · · · · · · ·					
Side	х										
Side X											
Pipe Diameters Branch: 12"	•	R	lun: 12"	Position: E	воттом х	SID	<del></del> Е				
Test Made At: 2120 Dana Avenue	0	ate: 1	-08-03	-			<del></del>				
ested By: Cincinnati Gas & Electric	s	upervi	sed By: CARL G	OYETTE							
Certified By: Carl Style	- plan			· · · · · · · · · · · · · · · · · · ·							
Title: Welding Supervisor				***							
Date: 1-08-03			, <u></u>								
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55# 402-82-31/1 Test No.: 3-12 SECTION 3.3 API 1104

Location: 2120 Dana Avenue Date: 4/17/03 Contractor: Cincinnati Gas & Electric Sub-contractor: BYRNES Schedule: N/A Gang: N/A Inspector: N/A Roll Weld: N/A Date: 4/17/03 Location- OHIO Fixed Position Weld: 5G Welder RODNEY COOPER MARK S-6 Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 LTV Pipe Mfr: Kind: API GRB 5L Wt./Ft. 29.31 Wall Thickness: .219 Dia. O.D. 12 3/4 Joint Length: Nipple Bead No. 1 2 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 4 5 6 7 Original: 1.000 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .219 .219 Maximum Load: 16500 17000 Tensile S/in. Plate Area: 75342 77625 Fracture Location: BM ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 75342 Min. Tensile: 77625 Avg. Tensile 76483 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL 4 FACE NA 4. **Tee Test** Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM SIDE Test Made At: 2120 Dana Avenue Date: 4/17/03 rested By: Cincinnati Gas & Electric, Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 4/17/03

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SS# 433-66-8916

Test No.: 3-22 Location: 2120 Dana Avenue Date: 6-16-03 Contractor: Cincinnati Gas & Electric Sub-contractor: SKI BECK Schedule: N/A Gang: N/A Inspector: N/A Date: 6/16/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder JOHN DEWITT MARK JD Welding Time: 1 1/2 HR. . Time of Day: 9:00AM M. Temperature 70 F. Weather Condition: OUTSIDE Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 5/32-3/16 Pipe Mfr: MAVERICK TUBE Kind: API X52 5L Wall Thickness: .438 Dia. O.D. 24" Wt/Ft. Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 5/32 5/32 5/32 5/32 E8010 No. of Electrode: E8010 E8010 E8010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: Dimension of Plate: Orig. Area of Plate in 2: Maximum Load: Tensile S/in. Plate Area: Fracture Location: 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile Min. Tensile: Remarks on Tensile Remarks on Remarks on Nick Tests Coupon Remarks Crotch Crotch Side Side Pipe Diameters Branch: Run: Position: BOTTOM Test Made At: 2120 Dana Avenue Date: 6/16/03 Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 6/16/03

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4006 v.ircent Station Drive Owensboro, KY 42303 (270) 685-2525 (270) 685-2855 fax

COOPERHEAT MS.

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End View Side View P Pentrameter 9 Shim L Location Marker ( ) OTHER PB SCREENS OSTOS DOUBLE WALL SWOLE WALL X0-91-9 103438 T4300A 101 2EE KENYKK ð X 7 YTIZNEG MJ/IT VISUAL CONCERNS FILM ARTIFACT 84 MIS-MY1CH K MEED CONTOUR VITCHED INDICYLIONS EXTERNAL UNDERCUT INTERNAL UNDERCUT NOTTACINO CRATER-PIT **BURN-THROUGH** 300 23.462 RWCTHICKNESS PE **МЕГТ-ТНЯЗООСИ** NETERNUT MIERWAL CONCAVITY INTERNAL CONVEXITY IVOK EDIZION T. ATGO. I VCK OL SEN CBYCK JAT HTIW YTIZORO9 **тпаояоч** 9**V**1\$ とも在め 10/0/ TEVEL PENETRAMETER THIND ATERIAL SPEC. PIPELINE 3ZIS 20 DENTIFICATION MEIDER Ö 3-4 ЯЗВИЛИ の本所 EITM HATERVAL *6* ≈ FITTING,

Cooperheat-MGS Signature

Date

Customer Representative Signature

SS# 438-43-4057 Test No.: 3-33

Location: CINTI- DAYTON RD YARD	(C314)	Date: 7/28/03									
Contractor: Cincinnati Gas & Electric		Sub-	contractor: SK	I-BECK							
Schedule: N/A		Gang: N/A		Inspector: DAVE	VANLANDINGHA	М					
Date: 7/28/03 Locat	ion- OHIO	Roll Weld	: N/A	Fixed Position Weld: 5G							
Welder STEVE DUDDLESTON			MARK	SDSB							
Welding Time: 1 ½ HR		Time	of Day: 8:00AM	1	M. Temperature	e 70 F	. ^				
Weather Condition: OUTSIDE											
Wind Break Used: N/A	Voltage: 21		Amperage	: 120/190							
Make of Welding Machine: LINCOLN		Size	: 200								
Brand of Electrode: LINCOLN											
Size of Reinforcement 5/32-3/16											
Pipe Mfr: MAVERICK TUBE			Kind: API	X52 5L			<del></del> -				
Wall Thickness: .438	Dia. O.D. 24"	Wt./	Ft	Joint Length: Nip	pple						
Bead No.	1	2	3	4	5	6	7 .				
Size of Electrode:	5/32	5/32	5/32	5/32							
No. of Electrode:	E8010	E8010	E8010	E8010							
Coupon Stenciled:	1	2	3	4	5	6	7				
Original:		<u>-</u>			<del> </del>		<del>-                                     </del>				
Dimension of Plate:			, /				1				
Orig. Area of Plate in 2:		, /	<del>-///</del> //								
Maximum Load:		// //	1-11								
Tensile S/in. Plate Area:		///	1		10/1		<del></del>				
Fracture Location:		1			1/1/						
0 Procedure		X O	ualifying Tesh		Y O	ualified					
X Welder			ne Test			squalified	,				
Max. Tensile:		Min. Tensile	H		Avg Tensile						
Remarks on Tensile		Kem	arks on Bend Te	ests /	Rema	arks on Nick Tes	le I				
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			~	<u> </u>							
		1	e Test								
·	Acceptabl	MAH	Les Janes								
Coupon	Yes No	11/11		Rem	arks						
Crotch	1/1/	1		<u>=</u> .							
Crotch											
Side 4	_		<u></u>	<u>.</u>							
Side											
Pipe Diameters Branch Run: Position: SIDE											
Test Made At: CINTI-DAYTON RD YA	ARD (C314)	Date	7/28/03	_							
Fested By: Cincinnati Gas & Electric	Super	vised By: CARL G	DYETTE								
Certified By:	yt the										
Title: Welding Supervisor		,									
Date: 7/28/03											
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COOPERHEAT

MOS

200X200 End View Side View P Penetrameter 8 Shim L Location Marker ( ) OTHER 7-28-03 DOUBLE WALL SINGLE WALL ZG-82-/ ABFAD-5 SZUGLE REJECT ACCEPT 107 SEE REMARKS 20.4 20.4 20.4 FILM DENSITY P.O. NO майуг соисевиа FILM ARTIFACT 7880 ABU HOLLYM-SIM WELD CONTOUR MAU. VTICHED INDICYLIONS ACIUTODIFEED ACIUTODIFEED EXTERNÁL UNDERCUT SATE NETRAMETER INTERNAL UNDERCUT MATERIA DAGER | 33,462 " 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,463 | 37,46 CRATER-PIT нопознт-ияле ноиоянт-тлам TUNGSTEN MLERIANI CONVEXITY **BUALTERCATTONS** LACK FUSION TYCK OL DEN CHYCK JIAT HTIW YTIZORO9 TTISORO4 438 evis 63 MATERIAL SPEC. APEST TEAET YTHYNO PENETRAMETER Q PAPELLINE WELDER 3-4 STEVE 4-5 DODUKTED 5-0 **JZIS** #8192 118K, 118 44/46 X SHAUE DENTIFICATION WELDER 24% ~ SMAW MOMBER CGTE þ FILM INTERVAL 18 эмптн яо млэг FITTING,

SS# 433-53-2358

			No.: 3-23		. <u></u>							
Location: 2120 Dana Avenue Date: 6-16-03												
Contractor: Cincinnati Gas & Elect	ric	Sub	-contractor: Si	KI BECK			<del></del>					
Schedule: N/A		Gang: N/A		Inspector: N/A								
Date: 6/16/03 Loc	cation- OHIO	Roll Weld	: N/A	Fixed	Position Weld	: 5G						
Welder BENJI DUHON			MARK BD									
Welding Time: 1 1/2 HR.	· · · · · · · · · · · · · · · · · · ·	Time	e of Day: 9:00A	М	M. Tempera	ture 70	F.					
Weather Condition: OUTSIDE						·						
Wind Break Used: N/A	Voltage: 21		Amperage	e: 120/190								
Make of Welding Machine: LINCOL	LN .	Size	: 200									
Brand of Electrode: LINCOLN			· · · · · · · · · · · · · · · · · · ·									
Size of Reinforcement 5/32-3/16					<u> </u>							
Pipe Mfr: MAVERICK TUE	BE .		Kind: AP	1 X52 5L								
Wail Thickness: .438	Dia. O.D. 24*	Wt./	Ft.	Joint Le	ength: Nipple							
Bead No.	1	2	3	4	5	, 6	7					
Size of Electrode:	5/32	5/32	5/32	5/32								
No. of Electrode:	E8010	E8010	E8010	E8010								
Coupon Stenciled:	1	2	3	4	5	6	7					
Original:												
Dimension of Plate:		1										
Orig. Area of Plate in 2:			11									
Maximum Load:												
Tensile S/in. Plate Area:	_	10/										
Fracture Location:		<b>y</b> (										
Procedure     X Welder		X Q 0 Li	ualifying Test ne Test			Qualified Disqualified						
Max. Tensile		Min. Tensile:	. /	2/1	Avg. Tensile							
Remarks on Tensile		Rem	arks on Bene T	este	11 -	marks on Nick T	ests					
		2/1	JP									
	•	110.K			/							
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Course	Acceptable		111	XIII								
Coupon Crotch	)   Tes	' A AM	HELL	Rema	arks							
Crotch		MILL		-			<del></del>					
Side	1		<del></del>									
Side			-·	<del>-</del>								
Pipe Diameters Branch:	Run:	Posit	ion: BOTTOM				<del></del>					
Test Made At: 2120 Dana Avenue		6/16/03	IOII. DOTTOM		<del></del>	· · · · · · · · · · · · · · · · · · ·						
ested By: Cincinnati Gas & Electric		vised By: CARL G	OVETTE:									
Certified By:	hands	- OGU DY. CARL GO	7:EIIE									
Title: Welding Supervisor	John -	,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	<del></del>				<del></del> -					
Date: 6/16/03		· · · · · · · · · · · · · · · · · · ·	<del></del>									
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COOPERHEAT

End View Side View 05405 DOUBLE WALL SWOLE WALL 6-16-0 TOBLER ACCEPT けの **SEE BENYKK?** 1412 FILM DENSITY AIRINT CONCERNS TOARTIFACT MIS-MATCH WELD CONTOUR VITCHED INDICYTIONS EXTERNAL UNDERCUT INTERMAL UNDERCUT NOTTACIXO TP4-R3TAR3 HOUGHT-HRUB SON THEORES PER SON THEORES MELT-THROUGH NACSTEN MIEMANT CONCEANLY INTERNAL CONVEXITY TYCK LUSION WIENPRETERAÈVEL T. PALGAS CYCK OL DEN CRACK POROSITY WITH TAIL YTIROA04 SUNG 0/0 TEAET PENETRAMETER YTHANO FOR 3ZIS  $\mathfrak{O}$ DENTIFICATION WELDER  $\mathscr{O}$ MUMBER ł 1 FILM INTERVAL iq T **БЕАМ ОЯ FITTING** FITTING,

Customer Representative Signature

SECTION 3.3 API 1104

Test No.: 3-18 Location: 2120 Dana Avenue Date: 5/28/03 Contractor: Cincinnati Gas & Electric Sub-contractor: SKIBECK Schedule: N/A Gang: N/A Inspector: N/A Date: 5/28/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder TOMMY FOURNIER MARK TF Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr; MAVERICK TUBE Kind: API GRB 5L Wall Thickness: ..375 Dia. O.D. 12 3/4 Wt./Ft. 49.61 Joint Length: Nipple Bead No. 1 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: 8010 8010 8010 8010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.000 1.000 Dimension of Plate: .375 .375 Orig. Area of Plate in 2: .375 .375 Maximum Load: 31200 31000 Tensile S/in. Plate Area: 83200 82666 Fracture Location: ВМ вм 0 Procedure X Qualifying Test X Qualified X-Welder 0 Line Test 0 Disqualified Max. Tensile: 83200 Min. Tensile: 82666 Avg. Tensile 82933 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch X Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM \$IDE X Test Made At: 2120 Dana Avenue Date: 5/28/03 rested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 5/28/03

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# **SECTION** 3.3 **API** 1104

## THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 289-76-0409 Test No.: 3-48

Location: 2120 Dana Avenue Date: 10/20/03 Contractor: Cincinnati Gas & Electric Sub-contractor **BYNRES** Schedule: N/A Gang: N/A Inspector: N/A Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Date: 10/20/03 Welder ANDREW GREEN MARK A G Time of Day: 8:00AM 70 F. Welding Time: 1 1/2 HR. . M. Temperature Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 4 3 6 7 Original: 1,100 1.200 .219 Dimension of Plate: .219 Orig. Area of Plate in 2: .240 .262 Maximum Load: 16500 17000 rensile S/in. Plate Area: 68750 64885 Fracture Location: BM BM 0 Procedure X Qualified X Qualifying Test X Welder 0 Line Test 0 Disqualified Max. Tensile: 68750 Min. Tensile: 64885 Avg. Tensile 66817 Remarks on Bend Tests Remarks on Tensile Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Х Crotch Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 10/20/03 ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 10/20/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

SS# 437-76-5271 Test No.: 3-36

Location: CINTI-DAYTON RD YARD	(C314)	Date: 7/31/3									
Contractor: Cincinnati Gas & Electric		Sub	contractor: SK	IBECK							
Schedule: N/A		Gang: N/A	· · · · · · · · · · · · · · · · · · ·	Inspector: DAVE	r: DAVE VANLANDINGHAM						
Date: 7/31/3 Locat	ion- OHIO	Roll Weld	: N/A	Fixed	ed Position Weld: 5G						
Welder RANDY GROS			MARK	RGSB			· · · · · · · · · · · · · · · · · · ·				
Welding Time: 1 ½ HR		Time	e of Day: 8:00AN	Л	M. Temperatur	e 70 F					
Weather Condition: OUTSIDE						Variation					
Wind Break Used: N/A	Voltage: 21										
Make of Welding Machine: LINCOLN		Size	: 200								
Brand of Electrode: LINCOLN											
Size of Reinforcement 5/32-3/16											
Pipe Mfr: MAVERICK TUBE			Kind: API	X52 5L							
Wall Thickness: .438	Dia. O.D. 24	Wt./	Ft.	Joint Le	ength: Nipple		-				
Bead No.	1	2	3	4	5	6	7				
Size of Electrode:	5/32	5/32	5/32	5/32							
No. of Electrode:	E8010	E8010	E8010	E8010							
Coupon Stenciled:	1	2	3	4	5	6	7				
Original:				Λ							
Dimension of Plate:		//	1	/		***					
Orig. Area of Plate in 2:		71									
Maximum Load:											
Tensile S/in. Plate Area:		/ /		·							
Fracture Location:		1 1									
Procedure     X Welder			ualifying Test ne Test			ualified squalified	•				
Max. Tensile:	17/014	Min. Tensile:			Avg. Tensile						
Remarks on Tensile		Rem	arks on Bend Te	ests	† <del></del>	arks on Nick Test	s				
					117	1//					
	· ·			101							
	<del></del>		1/	111		<u> </u>					
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Coupon	Yes No	┥. ┈.	ON	Rema	MV K	RPUM	_				
Crotell	(7	- ( )		// / \	MI						
Crotch			MAIL				<del></del>				
Side		- 10	71/1			, <del>111</del>					
Side	1/2	2 1	III.								
Pipe Diameters Branch:	P Rus			Position:							
Test Made At: CINTI-DAYTON RD Y	HD (C314)		Date: 7/31/	03			1-21-1				
Fested By: Cincinnati Gas & Electric	Super	vised By: CARL G	DYETTE		<del>.</del>		<u>.</u> .				
Certified By: Coulowage	A				<u>,</u>						
Title: Welding Supervisor					_						
Date: 7/31/03						• • •••					
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### SECTION 3.3

API 1104

### THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 274-52-8403 Test No.: 3-43

Location: 2120 Dana Avenue Date: 9/26/03 Contractor: Cincinnati Gas & Electric Sub-contractor MID WEST Schedule: N/A Gang: N/A Inspector: N/A Location- OHIO Date: 9/26/03 Roll Weld: N/A Fixed Position Weld: 5G Welder SCOTT HARBAUGH MARK SH Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 2 1 3 4 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 5 6 7 Original: 1.000 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .219 .219 1/laximum Load: 16500 16000 fensile S/in. Plate Area: 75342 73059 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 75342 Min. Tensile: 73059 Avg. Tensile 74200 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Χ Crotch Х Side Х Х Side Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Χ SIDE Test Made At: 2120 Dana Avenue Date: 9/26/03 ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: al Staythe Title: Welding Supervisor Date: 9/26/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

#### SECTION 3.3 API 1104

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 290-64-3651

Test No.: 3-34

Location: 2120 Dana Avenue Date: 7/29/03 Contractor: Cincinnati Gas & Electric Sub-contractor: BRYNES-AMS Schedule: N/A Gang: N/A Inspector: N/A Date: 7/29/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder TED HIPSHER MARK TH Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Voltage: 21 Wind Break Used: N/A Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.100 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .219 Maximum Load: 17500 17000 fensile S/in. Plate Area: 72916 77625 Fracture Location: вм 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 75342 Min. Tensile: 72916 Avg. Tensile 74129 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY FRACTURE BASE METAL FACE NA 4. **Tee Test** Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 7/29/03 ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 7/29/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

## SECTION 3.3

Date: 5/28/03

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### THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 438-53-4525

1104 Test No.: 3-20 Location: 2120 Dana Avenue Date: 5/28/03 Contractor: Cincinnati Gas & Electric Sub-contractor: SKIBECK Schedule: N/A Gang: N/A Inspector: N/A Date: 5/28/03 Roll Weld: N/A Location- OHIO Fixed Position Weld: 5G Welder JEFFERY HOLLIER MARK JH Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia, O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 4 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E8010 E8010 E8010 E8010 Coupon Stenciled: 1 2 3 5 6 7 Original: 1.100 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .219 Maximum Load: 17500 17000 Tensile S/in. Plate Area: 72916 77625 Fracture Location: ВМ вм 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 75342 Min. Tensile: 72916 Avg. Tensile 74129 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. **Tee Test** Acceptable Coupon Yes No Remarks Crotch х Crotch Х Side Х Side х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM SIDE Х Test Made At: 2120 Dana Avenue Date: 5/28/03 . ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor

# SECTION J.J.

Location: 2120 Dana Avenue

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 268-74-5614

Test No.: 3-14 Date: 4/24/03

Contractor: Cincinnati Gas & Electric Sub-contractor: MICHAELS Schedule: N/A Gang: N/A Inspector: N/A Date: 4/24/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder DAVE HUBER MARK DH Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: 1 TV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.100 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .219 Maximum Load: 17500 17000 Tensile S/in. Plate Area: 72916 77625 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test Disqualified Max. Tensile: 75342 Min. Tensile: 72916 Avg. Tensile 74129 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. **Tee Test** Acceptable Coupon Yes No Remarks Crotch X Crotch Х Side Х Side X Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 4/24/03 Fested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Sojett Certified By: ans Title: Welding Supervisor Date: 4/24/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

#### SECT 01 3.3 API 1104

#### THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 322-42-1698 Test No.: 3-41

Date: 9/23/03 Location: 2120 Dana Avenue Jontractor: Cincinnati Gas & Electric Sub-contractor: C J HUGHES Gang: N/A Inspector: N/A Schedule: N/A Roll Weld: N/A Fixed Position Weld: 5G Location- OHIO Date: 9/23/03 MARK HD Welder DON HUDDLESTON F. Time of Day: 8:00AM M. Temperature 70 Welding Time: 1 ½ HR. . Weather Condition: Inside Building Amperage: 120/190 Wind Break Used: N/A Voltage: 21 Size: 200 Make of Welding Machine: LINCOLN Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 LTV Kind: API GRB 5L Pipe Mfr: Wt./Ft. 29.31 Dia. O.D. 12 3/4 Joint Length: Nipple Wall Thickness: .219 7 2 3 4 5 6 Bead No. 1 5/32 5/32 1/8 Size of Electrode: 1/8 E6010 E6010 E6010 E6010 No. of Electrode: 7 Coupon Stenciled: 1 2 3 4 5 6 1.100 1.200 Original: .219 .219 Dimension of Plate: .240 .262 Orig. Area of Plate in 2: 16500 17000 Maximum Load: 68750 64885 Tensile S/in. Plate Area: ВМ RM. Fracture Location: X Qualified X Qualifying Test 0 Procedure 0 Line Test 0 Disqualified X Welder Avg. Tensile 66817 Min. Tensile: 64885 Max. Tensile: 68750 Remarks on Nick Tests Remarks on Bend Tests Remarks on Tensile 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 3. FACE NA 3 3 SATISFACTORY, FRACTURE BASE METAL 4. 4 SATISFACTORY, FRACTURE BASE METAL 4 FACE NA Tee Test Acceptable Yes No Remarks Coupon Х Crotch Х Crotch Side Х Х Side 12" Position: BOTTOM SIDE Pipe Diameters Branch: 12" Run: Χ Test Made At: 2120 Dana Avenue Date: 9/23/03 Supervised By: CARL GOYETTE rested By: Cincinnati Gas & Electric Loget Certified By: Title: Welding Supervisor Date: 9/23/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

SS# 300-56-5421 Test No.: 3-02 SECTION 3.3 API 1104

Location: 2120 Dana Avenue Date: 1-07-03 Contractor: Cincinnati Gas & Electric Sub-contractor: Schedule: N/A Gang: N/A Inspector: N/A Date: 1-07-03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder FRED JOHNSON MARK FJ Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 4 3 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 5 7 Original: 1.000 1.200 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .219 .262 Maximum Load: 15500 17000 Tensile S/in. Plate Area: 70776 64885 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 70776 Min. Tensile: 64885 Avg. Tensile 67830 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch х Crotch Х Side х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 1-07-03 ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 1-07-03

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#### SECTION 3.3

API 1104

### THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 275-76-8860 Test No.: 3-49

Location: 2120 Dana Avenue Date: 10/29/03 ontractor: Cincinnati Gas & Electric Sub-contractor BREWER Gang: N/A Schedule: N/A Inspector: N/A Date: 10/29/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder ERIC JONES MARK EJ Welding Time: Time of Day: 8:00AM M. Temperature F. 1 1/2 HR. . Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 LTV Pipe Mfr: Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 1/8 1/8 5/32 5/32 Size of Electrode: No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.100 1.100 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .240 16500 16500 'aximum Load: ensile S/in. Plate Area: 68750 68750 Fracture Location: вм BM 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Min. Tensile: 68750 Max. Tensile: 68750 Avg. Tensile 68750 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 FACE NA 4 SATISFACTORY, FRACTURE BASE METAL 4. Tee Test Acceptable Yes Coupon No Remarks Crotch Х Crotch Х Side Х Side х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM SIDE Х Test Made At: 2120 Dana Avenue Date: 10/29/03 sted By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 10/29/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

Test No.: 3-09

SECTION 3.3 API 1104

Location: 2120 Dana Avenue Date: 3/28/03 Contractor: Cincinnati Gas & Electric Sub-contractor: MUELLER Schedule: N/A Gang: N/A Inspector: N/A Date: 3/28/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder JOHN KINSER MARK JK Welding Time: 1 1/2 HR. . Time of Day: 8:00AM 70 M. Temperature F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 1.200 Original: 1.100 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .262 Maximum Load: 16500 17000 Tensile S/in, Plate Area: 68750 64885 Fracture Location: BM ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile; 68750 Min. Tensile: 64885 Avg. Tensile 66817 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 3/28/03 rested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 3/28/03

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#### SECTION 3.3 API 1104

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 407-86-8900 Test No.: 3-16

Location: 2120 Dana Avenue Date: 5/7/03 Contractor: Cincinnati Gas & Electric Sub-contractor: MILLER Schedule: N/A Gang: N/A Inspector: N/A Date: 5/7/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder STEVE KINSER MARK SK Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.100 1.200 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .262 Maximum Load: 16500 17000 「ensile S/in. Plate Area: 68750 64885 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified. X Welder 0 Line Test 0 Disqualified Max. Tensile: 68750 Min. Tensile: 64885 Avg. Tensile 66817 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. **Tee Test** Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 5/7/03 sted By: Cincinnati Gas & Electric Supervised By: RONALD WARREN Certified By: RONALD WARREN Title: Welding Supervisor Date: 5/7/03 H:VAPPSDATAIWP51VCMCOUPONTS.RPT

# SECTION 3.3

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 385-42-0914

Test No.: 3-47

Date: 10/17/03 Location: 2120 Dana Avenue Sub-contractor **CJ HUGHES** ontractor: Cincinnati Gas & Electric Schedule: N/A Gang: N/A Inspector: N/A Roll Weld: N/A Date: 10/17/03 Location- OHIO Fixed Position Weld: 5G MARK GL Welder GERALD LOCASCIO Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Dia. O.D. 12 3/4 Wall Thickness: .219 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 2 1 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.100 1.200 .219 .219 Dimension of Plate: Orig. Area of Plate in 2: .240 .262 \*/laximum Load: 16500 17000 . ensile S/in. Plate Area: 68750 64885 ВМ вм Fracture Location: 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 68750 Min. Tensile: 64885 Avg. Tensile 66817 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL SATISFACTORY 1. Root 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 FACE NA 4 SATISFACTORY, FRACTURE BASE METAL 4. Tee Test Acceptable Yes Coupon No Remarks Х Crotch Crotch Х Х Side Х Side Pipe Diameters Branch: 12" 12" Run: Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 10/17/03 ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 10/17/03

#### SECTION 3.3 API 1104

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 268-56-7050

SS# 268-56-7050 Test No.: 3-37

Location: 2120 Dana Avenue Date: 7/31/3 Contractor: Cincinnati Gas & Electric Sub-contractor: HUGHES Schedule: N/A Gang: N/A Inspector: N/A Date: 7/31/3 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder SCOTT MARKER MARK X-1 Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.200 1.200 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .262 .262 Maximum Load: 17000 17000 Tensile S/in. Plate Area: 64885 64885 Fracture Location: BM ВΜ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 68885 Min. Tensile: 64885 Avg. Tensile 68885 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. **Tee Test** Acceptable Coupon Yes No Remarks Crotch Χ Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 7/31/03 rested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 7/31/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

## SECTION A

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 236-94-9240 Test No.: 3-35

Location: 2120 Dana Avenue Date: 7/30/3 Contractor: Cincinnati Gas & Electric Sub-contractor: HUGHES Schedule: N/A Gang: N/A Inspector: N/A Date: 7/30/3 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder LEE (HENRY) McCLOUD MARK LHM Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.100 1.200 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .262 Maximum Load: 17500 17000 Tensile S/in. Plate Area: 72916 64885 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 72916 Min. Tensile: 64885 Avg. Tensile 68900 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 7/30/03 rested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 7/30/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

#### SECTION 3.3 API 1104

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 412-37-6807 Test No.: 3-21

Location: 2120 Dana Avenue Date: 5/28/03												
Contractor: Cincinnati Gas & Electric Sub-contractor: SKIBECK												
Schedule: N/A			Gang: N/A		Inspector: N/A		<u></u>					
Date: 5/28/03 Local	ion- OHIO		Roll Weld		<u> </u>	ed Position Weld: 5						
Welder LANDLE McGEE			1101111010	MARK LM		d Fosition Weig. 5						
Welding Time: 1 1/2 HR			Tim	e of Day: 8:00AN		M Tomposetus	70 5					
Weather Condition: Inside Building			7 1111	e or Day. G.OOAN	n	M. Temperatur	re 70 F	·				
Wind Break Used: N/A	Voltage: 2	21		Amperage	. 120/100							
Make of Welding Machine: LINCOLN			Size	e: 200	. 120/190			<del></del>				
Brand of Electrode: LINCOLN	<del></del> .		5120			-						
Size of Reinforcement 1/8 - 5/32												
Pipe Mfr: LTV			King	f: API GRB 5L								
Wall Thickness: .219	Dia. O.D.	12 3/4		Ft. 29.31	Joint I	ength: Nipple						
Bead No.	1		2	3	I	7		T				
Size of Electrode:	1/8		1/8	5/32	5/32	5	6	7				
No. of Electrode:	E8010	$\neg +$	E8010	E8010			<del></del>	<del>-  </del>				
Coupon Stenciled:	1				E8010			<del> </del>				
Original:	1.000	-	1.000	3	4	5	6	7				
Dimension of Plate:	.219		.219			<del>  </del>		<del> </del>				
Orig. Area of Plate in 2;	.219		.219			<del> </del>						
Maximum Load:	17000		17000			<del>                                     </del>	<u> </u>	ļ				
ensile S/in, Plate Area:	77625		77625					<del> </del>				
Fracture Location:	71023 BM		BM					<del> </del>				
0 Procedure	DIV	l			· .			<u> </u>				
X Welder				ualifying Test ne Test			ualified squalified					
Max. Tensile: 77625			Min. Tensile: 77	625	<u> </u>	Avg. Tensile 7						
Remarks on Tensile				arks on Bend Te	sts	<del></del>	arks on Nick Test					
1 SATISFACTORY, FRACTURE BASE	METAL	1	. Root SATIS			1. SATISFACT						
2 SATISFACTORY,FRACTURE BASE	METAL	2	2. Root SATIS	FACTORY		2 SATISFACT	<del></del>	<del></del>				
3 SATISFACTORY, FRACTURE BASE	METAL	3	S. FACE NA			3	<u> </u>					
4 SATISFACTORY, FRACTURE BASE	·	4		<u> </u>	·	4.		· · · · · · · · · · · · · · · · · · ·				
				e Test			<del></del>					
	Accep	table		c rest								
Coupon	Yes	No	_		Rom	arks						
Crotch	×				Kem	larks						
Crotch	×				<del></del>							
Side	×	-										
Side	X		<del> </del> -									
Pipe Diameters Branch: 12"	<u> </u>	R	un: 12"	Position: B	оттом х	SIDE						
Test Made At: 2120 Dana Avenue	D	ate: 5/2	28/03				·					
ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE												
Certified By: Omlysele	16			_ · · -		<del></del>	<del></del>					
Title: Welding Supervisor								<del>-</del>				
Date: 5/28/03												
H:VAPPSDATAIWPS1VCM/COUPONTS.RPT					= <del></del>		<del> </del>	<u></u> j				

#### SECTION 3.3 API 110M

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 465-17-4215

Test No.: 3-40

Location: 2120 DANA AVE Date: 9/09/03 Sub-contractor: C J HUGHES Contractor: Cincinnati Gas & Electric Schedule: N/A Gang: N/A Inspector: Date: 9/09/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder KENNETH MILBY MARK KM Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: INSIDE Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.000 1.000 Dimension of Plate: 219 .219 Orig. Area of Plate in 2: .219 .219 Maximum Load: 16500 16500· Tensile S/in. Plate Area: 75342 75342 Fracture Location: 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 75342 Min. Tensile: 75342 Avg. Tensile 75342 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1. SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY SATISFACTORY 2. SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY SATISFACTORY 3. SATISFACTORY, FRACTURE BASE METAL 3. FACE N/A 4. SATISFACTORY, FRACTURE BASE METAL 4. FACE N/A Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Х Side Side х Pipe Diameters Branch: Run: 12" Position: воттом Test Made At: 2120 DANA Date: 9/09/03 fested By: CARL GOYETTE Cal xloseth Certified By: Title: Welding Supervisor Date: 9/09/03

# **SECTION** 3.3 **API** 110.

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 450-66-3371

Test No.: 3-44

1 ocation: 2120 Dana Avenue			Date	: 9/30/03		•••						
ontractor: Cincinnati Gas & Electric			Sub-	contractor C.	CJ HUGHES							
Schedule: N/A			Gang: N/A	ı	Inspector: N/A							
Date: 9/30/03 Local	ion- OHIO		Roll Weld:	N/A	Fixed	Position Weld: 5	G					
Welder ROBERT ALTON NOBLES				MA	ARK BN							
Welding Time: 1 ½ HR			Time	of Day: 8:00AM	!	M. Temperatur	re 70 F.					
Weather Condition: Inside Building	<b></b>											
Wind Break Used: N/A	Voltage: 21			Amperage	: 120/190	·						
Make of Welding Machine: LINCOLN			Size	: 200								
Brand of Electrode: LINCOLN	<u> </u>	<del></del>										
Size of Reinforcement 1/8 - 5/32				··								
Pipe Mfr: LTV			Kind	: API GRB 5L								
Wall Thickness: .219	Dia. O.D. 12	3/4	Wt./	Ft. 29.31	Joint Le	ngth: Nipple		·				
Bead No.	1		2	3	4	5	6	7				
Size of Electrode:	1/8		1/8	5/32	5/32							
No. of Electrode:	E6010	1	E6010	E6010	E6010							
Coupon Stenciled:	1		2	3	4	5	6	7				
Original:	1.300		1.000					<u> </u>				
Dimension of Plate:	.219		.219									
Orig. Area of Plate in 2:	.284		.219									
¹aximum Load:	18000		16000									
ensile S/in. Plate Area:	63380		73059									
Fracture Location:	ВМ		ВМ									
0 Procedure X Welder				ualifying Test ine Test			Qualified hisqualified	<del></del>				
Max. Tensile: 73059		N	/lin. Tensile: 63	380		Avg. Tensile	68220					
Remarks on Tensile			Rem	arks on Bend Te	ests	Rem	arks on Nick Test	s				
1 SATISFACTORY,FRACTURE BASE	METAL	1.	Root SATIS	FACTORY		1. SATISFAC	TORY					
2 SATISFACTORY,FRACTURE BAS	E METAL	2.	Root SATIS	FACTORY		2 SATISFAC	CTORY					
3 SATISFACTORY,FRACTURE BAS	E METAL	3.	FACE NA			3						
4 SATISFACTORY, FRACTURE BAS	E METAL	4	FACE NA			4.						
			Te	e Test								
	Acceptat	le										
Соирол	Yes 1	lo			Rem	arks						
Crotch	X											
Crotch	X											
Side	Х											
Side	X											
Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE												
Test Made At: 2120 Dana Avenue Date: 9/30/03												
ested By: Cincinnati Gas & Electric	Sup	eryiee	ed By: RON W	ARREN								
Certified By: CARL GOYETTE	af de	24	ff									
Title: Welding Supervisor	Title: Welding Supervisor											
Date: 9/30/03												

# SECTION 3.3

Location: 2120 Dana Avenue

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

Date: 4/28/03

SS# 368-66-9469 Test No.: 3-15

Contractor: Cincinnati Gas & Electric Sub-contractor: MUELLER Schedule: N/A Gang: N/A Inspector: N/A Date: 4/28/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder STEPHEN J PARNICKY III MARK SP Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: · LTV Kind: API GRB 5L Wall Thickness: ,219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.100 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .219 Maximum Load: 17500 17000 Tensile S/in. Plate Area: 72916 77625 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 75342 Min. Tensile: 72916 Avg. Tensile 74129 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes Remarks Crotch Х Crotch X Side Х Side Х Pipe Diameters Branch: 12" Run: Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 4/28/03 Fested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: m Soya Title: Welding Supervisor Date: 4/28/03 H:VAPPSDATA/WP51/CM/COUPONTS.RPT

#### SECTION 3.3 API 1104

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 413-41-3331 Test No.: 3-42

Location: 2120 Dana Avenue Date: 9/25/03 Contractor: Cincinnati Gas & Electric Sub-contractor: BREWER Schedule: N/A Gang: N/A Inspector: N/A Date: 9/25/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder RANDY PERRY MARK Welding Time: 1 1/2 HR., Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: MILLER Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29,31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.100 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .219 'Maximum Load: 16500 16000 Tensile S/in. Plate Area: 68750 73059 Fracture Location: ВМ BM 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 73059 Min. Tensile: 68750 Avg. Tensile 70904 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 9/25/03 rested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 9/25/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

SS# 290-66-5844 Test No.: 3-52 SECTION 3.3

API 1104 Location: 2120 Dana Avenue Date: 12/02/03 ontractor: Cincinnati Gas & Electric Sub-contractor ENERGY INS. Schedule: N/A Gang: N/A Inspector: N/A Date: 12/02/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder KEVIN L PLYES MARK KP Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.100 1.100 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .240 Maximum Load: 16500 16500 ensile S/in. Plate Area: 68750 68750 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 68750 Min. Tensile: 68750 Avg. Tensile 68750 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM SIDE Test Made At: 2120 Dana Avenue Date: 12/02/03 ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 12/02/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

#### SECTION 3.3 API 1104

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 234-92-6163

Test No.: 3-50

Ocation: 2120 Dana Avenue			Date: 11/19/03										
untractor: Cincinnati Gas & Electric			Sub	-contractor (	C J HUGHES								
Schedule: N/A			Gang: N/A		Inspector: N/A								
Date: 11/19/03 Locati	ion- OHIO		Roll Weld	: N/A	Fixe	d Position Weld: 5	 G						
Welder JEFF ROSS		_		MARK	JR		<del>-</del>						
Welding Time: 1 ½ HR			Time	e of Day: 8:00A	М	M. Temperatur	e 70	F.					
Weather Condition: Inside Building													
Wind Break Used: N/A	Voltage: 21			Amperag	e: 120/190	<del></del>		· · · · · · · · · · · · · · · · · · ·					
Make of Welding Machine: LINCOLN			Size	: 200									
Brand of Electrode: LINCOLN	-												
Size of Reinforcement 1/8 - 5/32		•											
Pipe Mfr: LTV			Kind	I: API GRB 5L			1 44						
Wall Thickness: .219	Dia. O.D. 1	2 3/4	Wt./	Ft. 29.31	Joint Length: Nipple								
Bead No.	1		2	3	4		6	7					
Size of Electrode:	1/8		1/8	5/32	5/32			<del></del>					
No. of Electrode:	E6010		E6010	E6010	E6010			_					
Coupon Stenciled:	1	T	2	3	4	5	6	7					
Original:	1.100		1.100	·	<del></del> :	<del>                                     </del>							
Dimension of Plate:	.219		.219		<del> </del>								
Orig. Area of Plate in 2:	.240		.240					<del></del>					
'aximum Load:	16500		16500				, ,						
ensile S/in, Plate Area:	68750	1	68750				<del></del>						
Fracture Location:	ВМ		ВМ			-							
Procedure     X Welder		•		ualifying Test ne Test			alified equalified	<u>1</u> <u>.</u>					
Max. Tensile: 68750			Min. Tensile: 68	750		Avg. Tensile 6							
Remarks on Tensile		T	Rem	arks on Bend T	ests	<del></del>	rks on Nick Te	sts					
1 SATISFACTORY, FRACTURE BASE	METAL	1	. Root SATISI	FACTORY		1. SATISFACTORY							
2 SATISFACTORY,FRACTURE BASE	METAL	2	. Root SATISI	ACTORY		2 SATISFACT	ORY						
3 SATISFACTORY, FRACTURE BASE	METAL	3	. FACE NA			3							
4 SATISFACTORY, FRACTURE BASE	METAL	4	FACE NA	,		4.	····	-					
			Te	e Test				<u> </u>					
	Accept	able			,	7,1 - 1,							
Coupon	Yes	No			Rem	arks							
Crotch	X						<del></del>						
Crotch	Х												
Side	Х							***					
Side	X						···						
Pipe Diameters Branch: 12"	·	Ru	ın: 12"	Position:	воттом х	SIDE							
Test Made At: 2120 Dana Avenue	Da	te: 11/	19/03				1						
ested By: Cincinnati Gas & Electric	Su	pervise	ed By: CARL Go	ОҮЕТТЕ									
Certified By: Au Kont	>						<del></del>						
Title: Welding Supervisor	<del></del>						-						
Date: 11/19/03		<u> </u>		-			·						
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# \$ TION 3.3 4.P. 1104

#### THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 379-44-4697

Test No.: 3-17
Date: 5/16/03

7.7			Tes	t No.: 3-17								
Location: 2120 Dana Avenue	<u></u> .		Da	ite: 5/16/03								
Contractor: Cincinnati Gas & Electric			Su	ib-contractor: (	C.J. HUGHES							
Schedule: N/A			Gang: N/A		Inspector: N/A	4						
Date: 5/16/03 Location	- OHIO	R	oll Weld: N/A		Fixed Position	on Weld: 5G						
Welder ERNEST SEARS					MARK E7							
Welding Time: 1 ½ HR			Tir	ne of Day: 8:00	AM	M. Temperati	ure 67	F.				
Weather Condition: Inside Building												
Wind Break Used: N/A	Voltage:	21		Ampera	ge: 120/190							
Make of Welding Machine: LINCOLN			Síz	ze: 200			<u> </u>	· · · · · · · · · · · · · · · · · · ·				
Brand of Electrode: LINCOLN												
Size of Reinforcement 1/8 - 5/32			_									
Pipe Mfr: LTV			Kir	nd: API GRB 5	L							
Wall Thickness: .219	Dia. O.D.	12 3/4	4 Wt	./Ft. 29.31	Joint	Length: Nipple	·					
Bead No.	1		2	3	4	5	6	7				
Size of Electrode:	1/8		1/8	5/32	5/32		† · <u>-</u>	<del>-  </del>				
No. of Electrode:	E601	0	E6010	E6010	E6010		<del>                                     </del>					
Coupon Stenciled:	1		2	3	4	5	6	7				
Original:	1.20	0	1.100	<u> </u>								
Dimension of Plate:	.219		.219				<del> </del>					
Orig. Area of Plate in 2:	.262		.240									
Maximum Load:	1700	0	16500									
Геnsile S/in. Plate Area:	6488	5	68750	T								
Fracture Location:	ВМ		ВМ				<del> </del>					
0 Procedure X Welder				Qualifying Test ine Test			Qualified Disqualified					
Max. Tensile: 68750			Min. Tensile; 64	<b>\$885</b>		Avg. Tensile 66817						
Remarks on Tensile			Ren	narks on Bend	Tests		narks on Nick To	ecte				
1 SATISFACTORY, FRACTURE BASE	METAL		1. Root SATIS	FACTORY		1. SATISFAC	* * * * * * * * * * * * * * * * * * * *					
2 SATISFACTORY,FRACTURE BASE	METAL		2. Root SATIS	FACTORY		2 SATISFAC		<del></del>				
3 SATISFACTORY, FRACTURE BASE	METAL		3. FACE NA			3		<del></del>				
4 SATISFACTORY, FRACTURE BASE	METAL		4 FACE NA	· · · · · · · · · · · · · · · · · · ·		4.						
			Te	e Test				<del></del>				
	Acce	ptable										
Coupon	Yes	No			Rer	marks						
Crotch	Х					· · · · · · · · · · · · · · · · · · ·	······································					
Crotch	Х					· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
Side	Х											
Side	X				<del></del>			·				
Pipe Diameters Branch: 12"		R	un: 12"	Position:	воттом >	< SIDI	<del></del>					
Test Made At: 2120 Dana Avenue		Date: 5/	16/03									
ested By: Cincinnati Gas & Electric	TOTAL DE MARKETA											
Certified By: RONALD A. WARREN												
Title: Welding Supervisor												
Date: 5/16/03												
H:\APPSDATA\WP51\CM\COUPONTS.RPT	<del></del>						***	<del></del>				

#### SECTION 3.3 API 1104

Location: 2120 Dana Avenue

### THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 403-23-4597 Test No.: 3-45

Date: 10/14/03

Jontractor: Cincinnati Gas & Electric Sub-contractor CJ HUGHES Schedule: N/A Gang: N/A Inspector: N/A Date: 10/14/03 Location-OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder EUGENE SEARS MARK SE Welding Time: 1 ½ HR. Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 6 Original: 1.100 1.000 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .240 .219 Maximum Load: 16500 16000 fensile S/in. Plate Area: 68750 73059 Fracture Location: BM ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 73059 Min. Tensile: 68750 Avg. Tensile 70904 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 10/14/03 rested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Coget Certified By: Title: Welding Supervisor Date: 10/14/03 H:\APPSDATA\WP51\CM\COUPONTS.RPT

SS# 437-70-7242 Test No : 3-11

SECTION 3.3
API 1104

Test No.: 3-11 API LIU-													
Location: 2120 Dana Avenue Date: 4/14/03													
Contractor: Cincinnati Gas & Electric			Sub	o-contractor: BF	REWER								
Schedule: N/A			Gang: N/A		Inspector: N/A	<u> </u>							
Date: 4/14/03 Location	- OHIO	F	Roll Weld: N/A		Fixed Position	Weld: 5G							
Welder BENNY SANCHEZ				MARK	BS			· · · · · ·					
Welding Time: 1 ½ HR			Tim	e of Day: 8:00Al	М	M. Temperatu	re 70 F.						
Weather Condition: Inside Building													
Wind Break Used: N/A	Voltage:	21		Amperage	e: 120/190								
Make of Welding Machine: LINCOLN	· · · · · · · · · · · · · · · · · · ·		Size	e: 200									
Brand of Electrode: LINCOLN													
Size of Reinforcement 1/8 - 5/32								<del></del>					
Pipe Mfr: LTV			Kind	d: API GRB 5L									
Wall Thickness: .219	Dia. O.D.	12 3/	/4 Wt.	/Ft. 29.31	Joint L	ength: Nipple							
Bead No.	1		2	3	4	5	6	7					
Size of Electrode:	1/8		1/8	5/32	5/32			<del> </del> -					
No. of Electrode:	E601	0	E6010	E6010	E6010			<del>                                     </del>					
Coupon Stendied:         1         2         3         4         5         6         7													
Original: 1.000 1.200													
Dimension of Plate: .219 .219													
Orig. Area of Plate in 2: .219 .262													
Maximum Load:	16500	,	17000					<u> </u>					
Tensile S/in. Plate Area:	75342	,	64885				<del></del>	<del> </del> -					
Fracture Location:	ВМ		ВМ										
0 Procedure			хо	ualifying Test	<u> </u>	X C	Lualified						
X Welder				ne Test			isqualified						
Max. Tensile: 75342			Min. Tensile: 64	885		Avg. Tensile	70113						
Remarks on Tensile			Rem	arks on Bend Te	ests	Rem	arks on Nick Tests						
1 SATISFACTORY, FRACTURE BASE	METAL		1. Root SATIS	FACTORY		1. SATISFAC	TORY						
2 SATISFACTORY, FRACTURE BASE	METAL	İ	2. Root SATIS	FACTORY		2 SATISFAC	TORY						
3 SATISFACTORY, FRACTURE BASE	SACTAL	+	2 FACE NA	· ·									
4 SATISFACTORY, FRACTURE BASE			3. FACE NA			3							
4 OATIOI ACTORT, I TACTORE BASE	METAL		4 FACE NA		· · · · · · · · · · · · · · · · · · ·	4.							
	<del></del>		<del></del>	e Test									
Caa.		ptable	<del></del>										
Coupon Crotch	Yes	No	<del></del>		Rema	ırks							
Crotch	X			<del> </del>									
Side	X		<u> </u>										
Side	X												
Pipe Diameters Branch: 12"	Х												
<del></del>			Run: 12"	Position: B	воттом х	SIDI							
Test Made At: 2120 Dana Avenue Date: 4/14/03													
rested By: Cincinnati Gas & Electric		Superv	ised By: CARL Go	OYETTE									
Certified By: Supervisor	To					<u></u>							
Date: 4/14/03	Title: Welding Supervisor												
H:\APPSDATA\WP51\CMCOUPONTS.RPT		<del></del> :											

SS# 436-59-8695 Test No.: 3-32

Location: CINTI- DAYTON RD YAR	D (C314)	Date: 7/28/03									
Contractor: Cincinnati Gas & Electric	С	Sub	-contractor: SK	I-BECK			_				
Schedule: N/A		Gang: N/A	·	Inspector: DAV	DAVE VANLANDINGHAM						
Date: 7/28/03 Loca	ition- OHIO	Roll Weld			ed Position Weld: 5		W-##**				
Welder SHANE SIMON			MARK SSSE	3			<del>~</del>				
Welding Time: 1 ½ HR		Tim	e of Day: 8:00AN	<u></u>	M. Temperatur	e 70 F					
Weather Condition: OUTSIDE			, <u>-</u>								
Wind Break Used: N/A	Voltage: 21		Amperage	: 120/190		<del></del>					
Make of Welding Machine: LINCOLN	٧	Size	: 200								
Brand of Electrode: LINCOLN											
Size of Reinforcement 5/32-3/16											
Pipe Mfr: MAVERICK TUBE			Kind: API	X52 5L							
Wall Thickness: ,438	Dia. O.D. 24"	Wt./	Ft. ,	Joint Length: Ni	pple						
Bead No.	1	2	3	4	5	6	7				
Size of Electrode:	5/32	5/32	5/32	5/32	1 1						
No. of Electrode:	E8010	E8010	E8010	E8010	1						
Coupon Stenciled:	1	2	3	4	5	6	7				
Originat:			<u> </u>	<u> </u>							
Dimension of Plate:			<del>- ,</del>	7	<del> </del>		-				
Orig. Area of Plate in 2:			<del>- /- )</del>	/		<u> </u>					
Maximum Load:			<del>-/ /</del>	4-	<del>- </del>  -		<u> </u>				
Γensile S/in. Plate Area:		<del>₩</del> ₩	<del>-/ /</del>	<del></del>	<del>                                     </del>						
Fracture Location:											
0 Procedure	<u> </u>	X O	ualifying Test		<u> </u>	ualified	<u> </u>				
X Welder		0 Lii	ne Test			squalified					
Max. Tensile:		Min. Tensile			Avg. Tensile						
Remarks on Tensile		Rema	arks on Bend Te	sts	/ A Renfia	rks on Nick Test	s ,				
					- 1109						
			1 15	21	110						
		- 06/			<del> </del>						
	76/1	- 11		- A	<del>                                     </del>	·					
1651	THE		<del>/</del>	2 1							
18			Test/			1/1/1/10	M				
Courses	Acceptable	4/14	1	1 10	Vall	KUM					
Coupon	Y Y No		1 AAL	Rem	arks ///						
Crotch		+ 41	1-19C-17	100							
Crotch	Pole	1111									
Side Side											
Pipe Diameters Branch						,- <u></u> .					
	Ru	<del></del>	Position:	SIDE							
Test Made At: CINTI-DAYTON RD YARD (C314)  Date: 7/28/03											
ested By: Cincinnati Gas & Electric	Super	ised By: CARL GO	YETTE		<del>-</del>						
Certified By:	yet										
Title: Welding Supervisor  Date: 7/28/03				<del></del>		<del></del>					
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4006 Vincent Station Drive Owensboro, KY 42303 (270) 685-2525 (270) 685-2855 fax

COOPERHEAT

2*00,X200* End Year Side Ven P Peretrameter 8 ENM L Location Marker ( ) OTHER 7-28-03 DOUBLE WALL **SUNCLE WALL** 7-2862 ASFAD-5 SINGLE REJECT ACCEPT 4PT 1104 ZEE KEWYKKZ N TO NY T 214 FILM DENSITY VIZING CONCERNS FILM ARTIFACT F5284 MS-WYLCH **МЕГ** СОИ ТОЛВ ₹ 5 ALIGNED INDICATIONS ACIUTODIFFELD ACIUTODIFFEID BATA INTERNAL UNDERCUT NOTTAGIXO A4,280" A3,462" 3, meen where A S A S A CRATER-PIT HOUGHTHROUGH **НЭ∪ОЯНТ-ТЈЭМ** NSTSONUT INTERNAL CONVEXITY **SUALIFICATIONS** LACK FUSION CVCK OF PEN CRACK JIAT KTIW YTIZORO9 YTISOROS 438 OVIS 13V31 APLSL PENETRAMETER TILLAUD Q PTPELTINE WELDER WATERIAL SPEC. 4-5 DUDDIKTED 37IS Ø SHAVE #2 19 2 ,118K,118 46×44 3-4 STEVE DENTIFICATION WELDER (4 1/2 24" SM AW извили 16+E 9 FILM INTERVAL প্ত SEAM OR FITTING FIXTING,

SS# 437-68-5665

			No.: 3-24										
Location: 2120 Dana Avenue Date: 6-16-03													
Contractor: Cincinnati Gas & Elec	otric	Sut	o-contractor: Sk	(I BECK		<del></del>	<del></del>						
Schedule: N/A		Gang: N/A		Inspector: N/A		<del></del>							
Date: 6/16/03 Lo	ocation- OHIO	Roll Weld	<del></del>		d Position Weld: 5								
Welder GERALD SPELL			MARK GS	<del></del>			<del></del>						
Welding Time: 1 1/2 HR		Tim	e of Day: 9:00AM	И	M. Temperatu	re 70	<del></del> F.						
Weather Condition: OUTSIDE													
Wind Break Used: N/A	Voltage: 21		Amperage	: 120/190		<u> </u>							
Make of Welding Machine: LINCO	DLN	Size	200				<del></del>						
Brand of Electrode: LINCOLN					·								
Size of Reinforcement 5/32-3/16				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>								
Pipe Mfr: MAVERICK TU	BE		Kind: API	X52 5L									
Wall Thickness: .438	Día. O.D. 24*	Wt./	Ft.	Joint Le	ength: Nipple								
Bead No.         1         2         3         4         5         6         7           Size of Electrode:         5/32<													
<del></del>	5/32	5/32	5/32	5/32	-		<del>                                     </del>						
No. of Electrode:	E8010	E8010	E8010	E8010			1						
Coupon Stenciled: 1 2 3 4 5 6 7													
Original: 2 3 4 5 6													
Dimension of Plate:		$\Lambda$					-						
Orig. Area of Plate in 2:	/												
Maximum Load:			M										
Tensile S/in. Plate Area:		/											
Fracture Location:		/				. 1							
0 Procedure X Welder		X Qu 0 Lir	ualifying Test ne Test		11/8	ualified squalified	<u> </u>						
Max. Tensile		Min. Tensile:		N	Avg. tepcite	<del> </del>							
Remarks on Tensile		Rema	irks on Beng Ves	1/	1-2	arks on Nick Test	<del></del>						
		0/	1111			The street rest							
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165	15	7.7	<del>-   1</del>		- Al								
	Accordate		Te#0	- $A$	J GV	OV.							
Coupon	Acceptable	41 14		V RH	1								
Crotch (	Tes No		16/	Helmal	fks	·							
Crotch	7/	1.1											
Side		1/4/1											
Side	1612	-											
Pipe Diameters Branch:	Run:	Position	n: BOTTOM	·	·								
Test Made At: 2120 Dana Avenue	Date: 6/				·····	<del></del>							
Fested By: Cincinnati Gas & Electric		sed By: CARL GO	YFTTE				<del></del>						
Certified By:	locathe			<del></del>	<del></del>	<u></u>							
Title: Welding Supervisor	9	<del>-</del>			<u> </u>								
Date: 6/16/03		<u> </u>	<del></del>		<del>-</del>	<del> </del>							
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		$\perp$	$\perp$	1									T	T					T	T	†	INTERNAL UNDERC	ur			O	W.H.W	B	
		$\downarrow$	╧	$\perp$										T	7	1				Ť	1	EXTERNAL UNDERC	SUT TUS		f	*H\$	\ E	27.2	
	_ _	$\downarrow$	$\perp$	$\perp$								Ĺ			1	1			Γ	1	+	ALIGNED INDICATIO	NS			5	Z PROCES	1	
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# SECTION 3.3 API 1104

# THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 236-23-1200

Test No.: 3-38

LOCATION. 2120 DANA AVE	<del></del>				Date: 8/12/03			
Contractor: Cincinnati Gas & Electric	<u> </u>		Sul	b-contractor: B	YRNES			
Schedule: N/A	<del></del>		Gang: N/A		Inspector:			
	cation- OHIO	<u>)                                    </u>	Roll Weld	d: N/A	Fix	xed Position Weld: 5	5G	
Welder ERIC STALNAKER				M	MARK ES			
Welding Time: 1 ½ HR.			Tim	ne of Day: 8:00Al	M	M. Temperatur	ıre 70 F	F.
Weather Condition: INSIDE								
Wind Break Used: N/A	Voltage: 2	21	<u> </u>	Amperag	je: 120/190			
Make of Welding Machine: LINCOLN	1		Size	e: 200				-
Brand of Electrode: LINCOLN	<del></del>							
Size of Reinforcement 1/8 - 5/32			·					
Pipe Mfr: LTV	<del></del>			Kind: API	I GRB 5L			
Wall Thickness: .219	<del></del> £	Dia. C	O.D. 12 3/4	Wt./Ft. 2	29.31	Joint Length: 1	Nipple	
Bead No.	11	!	2	3	4	5	6	7
Size of Electrode:	1/8		1/8	5/32	5/32	1		<del>-</del>
No. of Electrode:	E6010		E6010	E6010	E6010	1	<del></del>	+
Coupon Stenciled:	1		2	3	4	5	6	<del> </del> _
Original:	1.100		1.200			<del></del>		+
Dimension of Plate:	.219		.219	1		+		+
Orig. Area of Plate in 2:	.240		.262	1		1		+
Maximum Load:	17000		17500			1		+
rensile S/in. Plate Area:	70833		79908			+		<del> </del>
Fracture Location:						+		+
0 Procedure X Welder			X Qu 0 Lir	ualifying Test ne Test			ualified squalified	<u></u>
Max. Tensile: 79908			Min. Tensile: 7	70833	<del></del>	T	75370	<del></del>
Remarks on Tensile	<del></del>		Rema	arks on Bend Tes	ests		arks on Nick Tests	
1. SATISFACTORY , FRACTURE BASE	METAL	+	<del></del>	ACTORY		<del></del>	<del></del>	<del></del>
2. SATISFACTORY, FRACTURE BASE I				FACTORY		SATISFACTORY SATISFACTORY		
3. SATISFACTORY, FRACTURE BASE I	METAL	7	3. FACE N/A	<del>_</del>		<del> </del>		<del></del>
4. SATISFACTORY, FRACTURE BASE			4. FACE N/A	<del></del>		<del></del>	<u></u>	<del></del>
		<del>_</del>		Test		<u> </u>		<del></del>
-	Accepta	able		lest	<del></del>			
Coupon	, T	No	-		<b>5</b>			
Crotch	X		+		Rema	arks	<del></del>	
Crotch	X		+					
Side	xx							
Side								
Pipe Diameters Branch: 12"	<u> </u>	Ru	un: 12"		Position		<del></del>	
est Made At: 2120 DANA	<del></del>		Date: 8/12/03	<del></del> -	Position	n: BOTTOM		
rested By: CARL GOYETTE			Date, or 12 oc					
Certified By: Carl Sho	THE				<del></del>			
Title: Welding Supervisor	grai_	<del>-</del> -		<del></del> _	<del></del>			
Date: 8/12/03								
<del></del>								

SS# 438-11-2613

SECT ( 1 7.3

Test No.: 3-19 Location: 2120 Dana Avenue Date: 5/28/03 Contractor: Cincinnati Gas & Electric Sub-contractor: SKIBECK Schedule: N/A Gang: N/A Inspector: N/A Date: 5/28/03 Location-OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder NATHAN STELLY MARK NS Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr; MAVERICK TUBE Kind: API GRB 5L Wall Thickness: ..375 Wt./Ft. 49.61 Dia. O.D. 12 3/4 Joint Length: Nipple Bead No. 1 2 3 4 5 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: 8010 8010 8010 8010 Coupon Stenciled: 1 2 3 4 5 6 7 Original: 1.000 1.100 Dimension of Plate: .375 .375 Orig. Area of Plate in 2: .375 .340 Maximum Load: 31200 31500 Tensile S/in. Plate Area: 83200 92647 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 92647 Min. Tensile: 83200 Avg. Tensile 87923 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. **Tee Test** Acceptable Coupon Yes Remarks Crotch Х Crotch Х Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM SIDE Test Made At: 2120 Dana Avenue Date: 5/28/03 Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 5/28/03

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#### THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 279-66-9955 Test No.: 3-10

SECTION 3.3

Leasting 0400 D	<del></del>		1esi	st No.: 3-10		VBI- 1	1114	
Location: 2120 Dana Avenue			<del></del>	ate: 4/09/03				
Contractor: Cincinnati Gas & Electric	;			ab-contractor: MI				
Schedule: N/A			Gang: N/A		Inspector: N/A			
Date: 4/09/03 Location	- OHIO		Roll Weld: N/A		Fixed Position	n Weld: 5G		
Welder PAT TAXIS				MARK PT				
Welding Time: 1 ½ HR	<del> </del>		Tin	ne of Day: 8:00AN	М	M. Temperatu	ıre 70 F	=
Weather Condition: Inside Building			<del></del>					
Wind Break Used: N/A	Voltage:	21	<u> </u>	Amperage	e: 120/190	··-		
Make of Welding Machine: LINCOLN			Siz	ze: 200				
Brand of Electrode: LINCOLN								
Size of Reinforcement 1/8 - 5/32								
Pipe Mfr: LTV			Kin/	d: API GRB 5L				
Wall Thickness: .219	Dia. O.D.	. 12 3	3/4 Wt.	./Ft. 29.31	Joint I	Length: Nipple		
Bead No.	1		2	3	4	5	6	7
Size of Electrode:	1/8	<u>i</u>	1/8	5/32	5/32			<del>-</del>
No. of Electrode:	E601	10	E6010	E6010	E6010			<del>                                     </del>
Coupon Stenciled:	1		2	3	4	5	6	7
Original:	1.00	0	1.200			+	<u> </u>	+-'-
Dimension of Plate:	.219	3	.219			+		<del></del> -
Orig. Area of Plate in 2:	.219	,	.262		<del></del>	+		<del> </del>
Maximum Load:	1650	0	17000	<del>                                     </del>		1		-
Tensile S/in. Plate Area:	7534	2	64885	<del></del>		+		<del> </del>
Fracture Location:	ВМ		ВМ	<del></del>		+		<del> </del>
0 Procedure			<u> </u>	Qualifying Test		X O:	ualified	<u> </u>
X Welder				ine Test			uanned isqualified	
Max. Tensile: 75342			Min. Tensile: 64	885		Avg. Tensile 70	0113	<del></del>
Remarks on Tensile			Rem	narks on Bend Tes	sts	<del></del>	arks on Nick Tests	<u> </u>
1 SATISFACTORY, FRACTURE BASE			1. Root SATISE	FACTORY	· · · · · · · · · · · · · · · · · · ·	1. SATISFACT		
2 SATISFACTORY, FRACTURE BASE	METAL		2. Root SATISE	FACTORY	<del></del>	2 SATISFACT	<del></del>	
3 SATISFACTORY, FRACTURE BASE	*****							
4 SATISFACTORY, FRACTURE BASE			3. FACE NA		· · · · · · · · · · · · · · · · · · ·	3		
4 SATISFACTORT, FRACTORE BASE	METAL		4 FACE NA			4.	·	
	т —			e Test	·			<del></del>
_	Acce	ptable	<u>.</u>					
Coupon	Yes	No	,		Rema	arks		
Crotch	X							
Crotch	X							
Side	X							<del></del>
Side	X	L						
Pipe Diameters Branch: 12"			Run: 12"	Position: BO	оттом х	SIDE		
Test Made At: 2120 Dana Avenue	[	Date: 4	4/09/03				<del></del>	
rested By: Cincinnati Gas & Electric		Superv	vised By: CARL GO	OYETTE				
Certified By: (all Hayat	4							
Title: Welding Supervisor							<del> </del>	-
Date: 4/09/03						<del></del>		
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SS# 268-36-4495 Test No : 3-13 SECTION 3.3 API 1104

			<u>lest</u>	No.: 3-13		P\ 1 1	<u> </u>	
Location: 2120 Dana Avenue			Date	e: 4/18/03				
Contractor: Cincinnati Gas & Electric			Sub	-contractor: GF	REAT WESTERN	l		
Schedule: N/A			Gang: N/A		Inspector: N/A			
Date: 4/18/03 Location	- ОНЮ	R	oll Weld: N/A		Fixed Position	Weld: 5G		
Welder TOM TAXES				MARK TT		·-·		
Welding Time: 1 1/2 HR			Tim	e of Day: 8:00AN	И	M. Temperatu	ıre 70 F	
Weather Condition: Inside Building								
Wind Break Used: N/A	Voltage:	21	· · ·	Amperage	: 120/190			
Make of Welding Machine: LINCOLN			Size	200				
Brand of Electrode: LINCOLN								,
Size of Reinforcement 1/8 - 5/32								
Pipe Mfr: LTV	-		Kind	I: API GRB 5L				
Wall Thickness: .219	Dia. O.D.	12 3/	4 Wt./	Ft. 29.31	Joint L	ength: Nipple		
Bead No.	1		2	3	4	5	6	7
Size of Electrode:	1/8		1/8	5/32	5/32			1
No. of Electrode:	E601	)	E6010	E6010	E6010			1
Coupon Stenciled:	1		2	3	4	5	6	7
Original:	1.100	,	1.000					<del>                                     </del>
Dimension of Plate:	.219		.219					<del> </del>
Orig. Area of Plate in 2:	.240		.219					<del>                                     </del>
Maximum Load:	17500	,	17000			<u> </u>		<del> </del>
Tensile S/in. Plate Area:	72916	;	77625					<del> </del>
Fracture Location:	ВМ		ВМ					<del> </del>
0 Procedure			ΧQ	ualifying Test		X (	Qualified	
X Welder		T	0 Li	ne Test			isqualified	
Max. Tensile: 75342			Min. Tensile: 72	916		Avg. Tensile	74129	
Remarks on Tensile			Rem	arks on Bend Te	sts	Rem	arks on Nick Test	s
1 SATISFACTORY, FRACTURE BASE	METAL		1. Root SATIS	FACTORY		1. SATISFAC	TORY	
2 SATISFACTORY, FRACTURE BASE	METAL	- 1	2. Root SATISI	FACTORY		2 SATISFAC	TORY	
3 SATISFACTORY, FRACTURE BASE	METAL		3. FACE NA				<del></del>	
4 SATISFACTORY, FRACTURE BASE			4 FACE NA		<u> </u>	3	·	
The state of the s	THE ITE					4.		-
		-4-1-1-		e Test		· · · · · · · · · · · · · · · · · · ·		<del></del>
Coupon		ptable No						r
Crotch	Yes	NO	<del> </del>	·	Rema	arks		
Crotch	^x			- · · · - · ·	<del></del>			
Side	$\frac{1}{x}$							
Side	-   ^   X							
Pipe Diameters Branch: 12"				Davidson D	OTTON			
Test Made At: 2120 Dana Avenue				Position: B	OTTOM X	SID	E	
Tested By: Cincinnati Gas & Electric			/18/03					
		- uperv	ised By: CARL Go	JIEIIE				
Certified By: Out May	20		<u> </u>			<del></del>	<del></del>	
Date: 4/18/03	n							
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SS# 400-13-8264 Test No.: 3-05

Location: 2120 Dana Avenue			Date	e: 1-10-03				
Contractor: Cincinnati Gas & Electric	;		Sub	-contractor:				
Schedule: N/A			Gang: N/A	· I	nspector: N/A			
Date: 1-10-03 Loca	tion- OHIO		Roll Weld	: N/A	Fixe	d Position Weld: 5	G	
Welder RICKY TUTTLE	_			MARK RT				
Welding Time: 1 ½ HR	<u> </u>		Time	e of Day: 8:00AM		M. Temperatur	e 70 F.	
Weather Condition: Inside Building								
Wind Break Used: N/A	Voltage: 21			Amperage:	120/190	10.75.4		
Make of Welding Machine: LINCOLN			Size: 200					
Brand of Electrode: LINCOLN							•	
Size of Reinforcement 1/8 - 5/32				-	•			
Pipe Mfr: LTV			Kind	I: API GRB 5L				
Wall Thickness: .219	Dia. O.D. 12	3/4	Wt./	Ft. 29.31	Joint L	ength: Nipple	,	
Bead No.	1		2	3	4	, 5	6	7
Size of Electrode:	1/8		1/8	5/32	5/32			
No. of Electrode:	E6010		E6010	E6010	E6010			
Coupon Stenciled:	1		2	3	4	5	6	7
Original:	1.000	+	1.000					<u> </u>
Dimension of Plate:	.219	+	.219	:				
Orig. Area of Plate in 2:	.219	$\top$	.219				<del></del>	
Maximum Load:	15500	+	15500					
Tensile S/in. Plate Area:	70776	$\top$	70776					<del> </del>
Fracture Location:	BM	+	BM					
O Procedure X Welder		<u>- 1</u>		ualifying Test ne Test			ualified squalified	<del>-1</del>
Max. Tensile: 70776		T	Min. Tensile: 70		<del></del>	Avg. Tensile 7		-
Remarks on Tensile	· · · · · · · · · · · · · · · · · · ·	_		arks on Bend Te	sts		arks on Nick Tests	•
1 SATISFACTORY,FRACTURE BASE	E METAL	1	. Root SATIS			1. SATISFAC		
2 SATISFACTORY,FRACTURE BAS	E METAL	+	. Root SATIS		· · · · · · · · · · · · · · · · · · ·	2 SATISFAC		
3 SATISFACTORY, FRACTURE BAS	E METAL	3	. FACE NA			3		
4 SATISFACTORY, FRACTURE BAS	·	4	FACE NA			4.		
	· · · · · · · · · · · · · · · · · · ·	L		e Test				
	Accepta	ble			<del></del>		<del></del>	
Coupon	1	No		•	Rem	ıarkş		
Crotch	X			:				
Crotch	X							
Side	х							
Side	X							
Pipe Diameters Branch: 12"		Rı	ın: 12"	Position: B	X MOTTO	SIDE		
Test Made At: 2120 Dana Avenue	Dat	e: 1-	10-03					
Tested By: Cincinnati Gas & Electric			ed By: CARL G	OYETTE	<del> </del>	<del></del>		
Certified By: Caul Sho	10th							
Title: Welding Supervisor				<del></del>		ALCOHOLD THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE SECTION ADD	· .	-
Date: 1-10-03			**************************************					····
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SS# 295-72-5112 Test No.: 3-53 SECTION 3.3

Location: 2120 Dana Avenue Date: 12/03/03 Contractor: Cincinnati Gas & Electric Sub-contractor **MILLER** Schedule: N/A Gang: N/A Inspector: N/A Location-OHIO Roll Weld: N/A Fixed Position Weld: 5G Date: 12/03/03 Welder THOMAS WILCOX MARK TW Welding Time: 1 1/2 HR. Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wt./Ft. 29.31 Wall Thickness: .219 Dia. O.D. 12 3/4 Joint Length: Nipple Bead No. 1 2 4 3 5 6 7 1/8 Size of Electrode: 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 7 1.100 Original: 1.200 Dimension of Plate: .219 .219 Orig. Area of Plate in 2: .262 .240 16500 16500 Maximum Load: 68750 Tensile S/in. Plate Area: 68750 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test 0 Disqualified Max. Tensile: 68750 Min. Tensile: 62977 Avg. Tensile 65863 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Х Side Х Side X Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM Х SIDE Test Made At: 2120 Dana Avenue Date: 12/03/03 l'ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 12/03/03

### THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# WAYNE WILLIAMSON Test No.: 3-25

Location: 2120 Dana Avenue		Da	ite: 6-16-03	•			
Contractor: Cincinnati Gas & Electri	ic	Suf	b-contractor: SI	KI BECK		<del></del>	
Schedule: N/A		Gang: N/A		Inspector: N/A			
	ation- OHIO	Roll Weld	.d: N/A		d Position Weld: 5	5G	
Welder WAYNE WILLIAMSON			MARK			<del></del>	
Welding Time: 1 1/2 HR		Tirr	ne of Day: 9:00Al	M	M. Temperatu	ure 70 F	F.
Weather Condition: OUTSIDE					•		<u> </u>
Wind Break Used: N/A	Voltage: 21		Amperag	je: 120/190			
Make of Welding Machine: LINCOLN	N	Siz	e: 200				
Brand of Electrode: LINCOLN							
Size of Reinforcement 5/32-3/16							
Pipe Mfr: MAVERICK TUBE			Kind: API	1 X52 5L			
Wall Thickness: .438	Dia. O.D. 24"	Wt./			ength: Nipple		
Bead No.	1	2	3	4	5 5	6	7
Size of Electrode:	5/32	5/32	5/32	5/32	-	<del></del>	
No. of Electrode:	E8010	E8010	E8010	E8010	<del>                                     </del>	<del></del>	+
Coupon Stenciled:	1	2	3	4	5		1-,
Original:		-	1	1	<del>  </del>	6	7
Dimension of Plate:		1	//	h	<del>                                     </del>		<del> </del>
Orig. Area of Plate in 2:		11)	(1./)	<del>/</del>	<del></del>	Γ	<del> </del>
Maximum Load:		1///	1/1/1	f			
Tensile S/in. Plate Area:		1 V	11/	<del></del>	<del></del>		-
Fracture Location:				<del>                                     </del>	<del>-  </del>		<del> </del>
0 Procedure X Welder		X Qr 0 Li	Lualifying Test ine Test		/ K. 81	Dalineer isperalfied	<u></u>
Max. Tensile		Min. Tensile:		1/1/	Avg. Tensile	- Indines	<del></del>
Remarks on Tensile		<del> </del>	arks on Bend Te	# 5/1	<del>/-/-</del>	arks on Nick Tests	
			7/1/1/	71 11	<u> </u>	IKS ON INICK 1636	<u>;</u>
		n 977	1/1/	11			
	1/1	1-1-1	1			·	·
11/1	4-1/1)	/	<u> </u>	1 4	1.		フ <u></u>
<del></del>	11/14		<del></del>	1 /1		1/ank	
	<del></del>	) ee	e Test		CALY	Kelvi	
	Acceptable	[]/'/	1.	[. A X	TILL		
Coupon	Ves No		AH	Remark	ks		
Crotch	1.45	T-11	(HC)11	Letter			
Crotch	+ //-	4-11-	<u></u>				
Side	1-4/6/3	2					
Side Pipe Diameters Branch:	14			<del></del>			
<del></del>	Run;	<del></del>	on: BOTTOM				
Test Made At: 2120 Dana Avenue	Date: 6	<del></del>	<del>-</del>			-	
Tested By: Cincinnati Gas & Electric Certified By:	2 Supervi	rised By: CARL GO	YETTE				
Title: Welding Supervisor	Will				-		
Date: 6/16/03		<del></del>	<u></u>				
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FITTING, SEAM OR FITTING

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SLAG POROSITY POROSITY WITH TAIL CRACK LACK OF PEN LACK FUSION INTERNAL CONVEXITY

ACCEPT

REJECT

End Your Skick White	$\mathcal{M}_{11}$
REMINIS ASTM B NA API 1/84	THE AJANAM THE HARROW
HER BALK M	1154 MITERIAL DIMIETER
P.O. NO	DIAXLENWY CURESMA FOCAL SPOT SIZE J. K
4006 Vincent Station Drive Owensboro, KY 42303 (270) 885-2852 (270) 885-2855 fax	(I) COOPERHEAT NO. INC. INC.

4826

SS# 401-23-4820

SECTION 3.3

API 1104 Test No.: 3-06 Location: 2120 Dana Avenue Date: 1-16-03 Contractor: Cincinnati Gas & Electric Sub-contractor: BREWER Schedule: N/A Gang: N/A Inspector: N/A Date: 1-16-03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G Welder RANDY WYATT MARK WR Welding Time: 1 1/2 HR. . Time of Day: 8:00AM M. Temperature 70 F. Weather Condition: Inside Building Wind Break Used: N/A Voltage: 21 Amperage: 120/190 Make of Welding Machine: LINCOLN Size: 200 Brand of Electrode: LINCOLN Size of Reinforcement 1/8 - 5/32 Pipe Mfr: LTV Kind: API GRB 5L Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple Bead No. 1 2 4 6 7 Size of Electrode: 1/8 1/8 5/32 5/32 No. of Electrode: E6010 E6010 E6010 E6010 Coupon Stenciled: 1 2 3 4 5 7 Original: 1.000 1.200 Dimension of Plate: .219 .219 Orig. Area of Plate in 2; .219 .262 Maximum Load: 15500 17000 Fensile S/in. Plate Area: 70776 64885 Fracture Location: ВМ ВМ 0 Procedure X Qualifying Test X Qualified X Welder 0 Line Test Disqualified Max. Tensile: 70776 Min. Tensile: 64885 Avg. Tensile 67830 Remarks on Tensile Remarks on Bend Tests Remarks on Nick Tests 1 SATISFACTORY, FRACTURE BASE METAL 1. Root SATISFACTORY 1. SATISFACTORY 2 SATISFACTORY, FRACTURE BASE METAL 2. Root SATISFACTORY 2 SATISFACTORY 3 SATISFACTORY, FRACTURE BASE METAL 3. FACE NA 3 4 SATISFACTORY, FRACTURE BASE METAL FACE NA 4. Tee Test Acceptable Coupon Yes No Remarks Crotch Х Crotch Χ Side Х Side Х Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM SIDE Test Made At: 2120 Dana Avenue Date: 1-16-03 ested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE Certified By: Title: Welding Supervisor Date: 1-16-03 H:\APPSDATA\WP51\CMCOUPONTS.RPT